

FIGURE 1
Diagram of the System

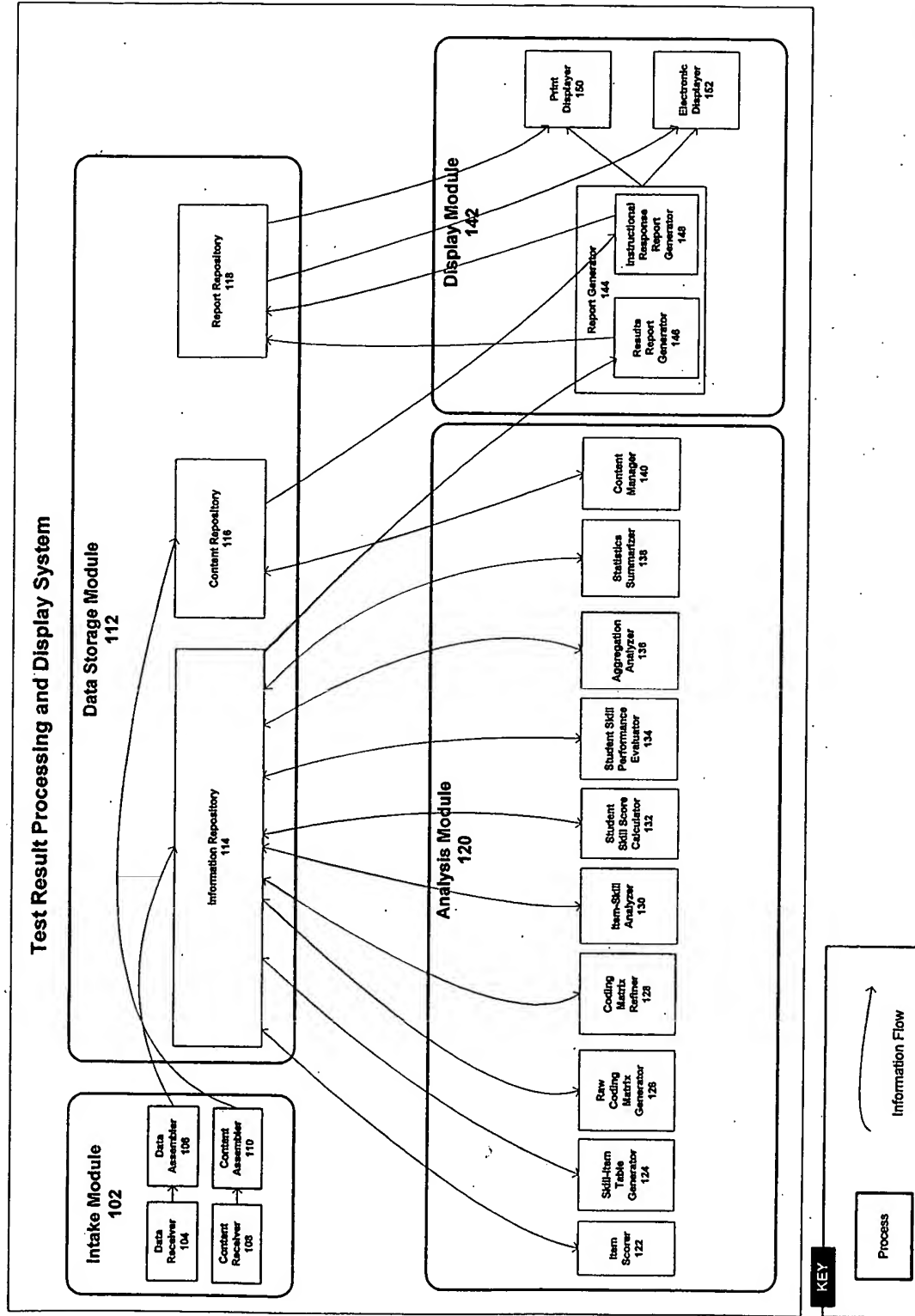


FIGURE 2
Technical Components of the System

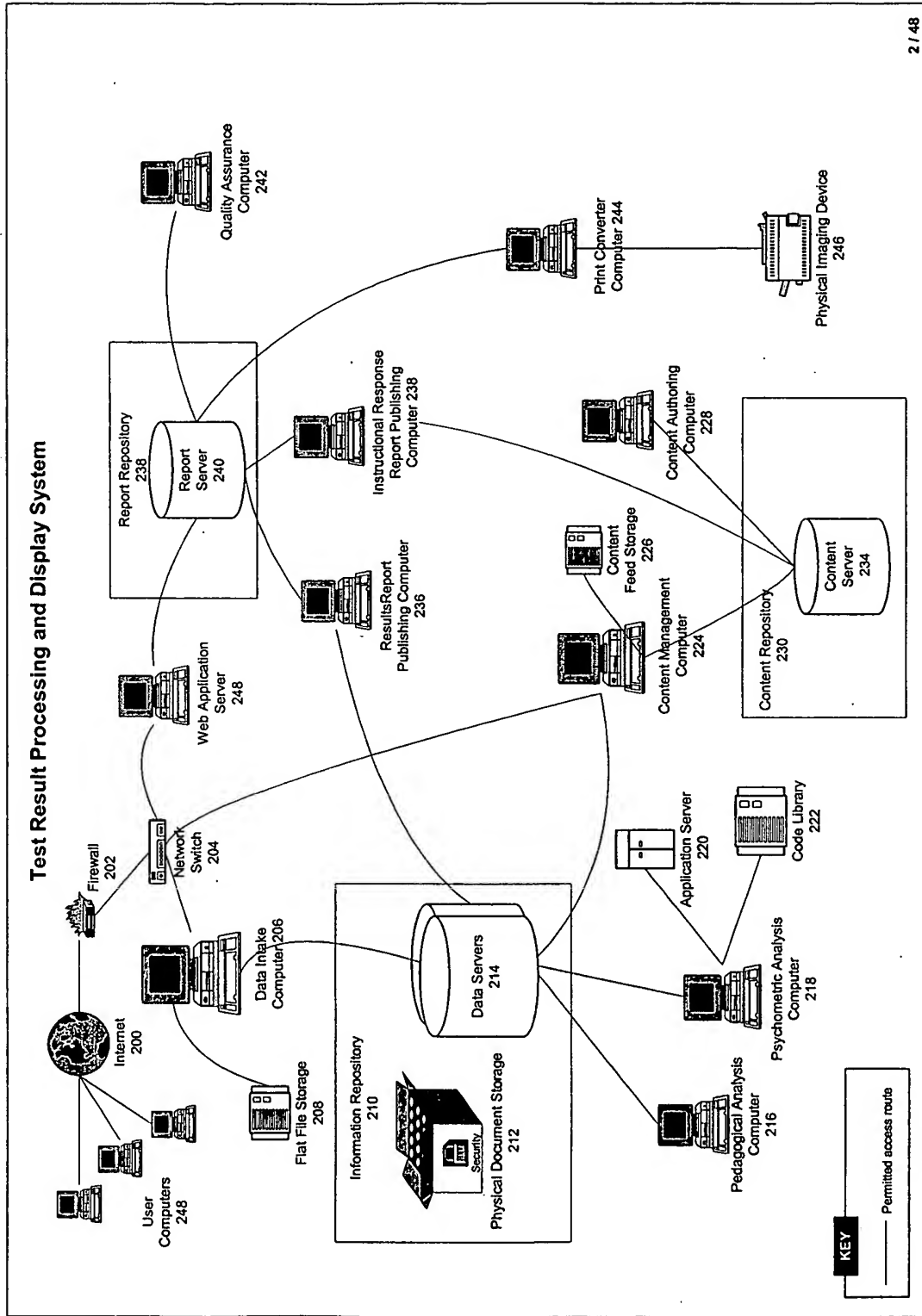


FIGURE 3
Flowchart of the System

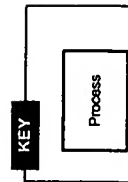
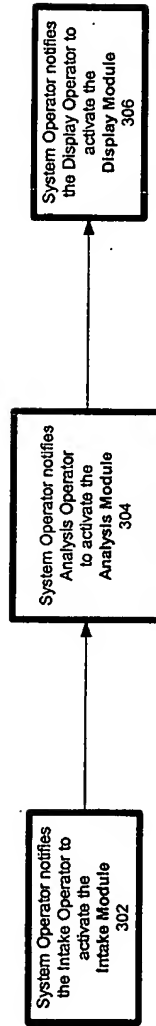


FIGURE 4
Diagram of the Operation Components of the Intake Module

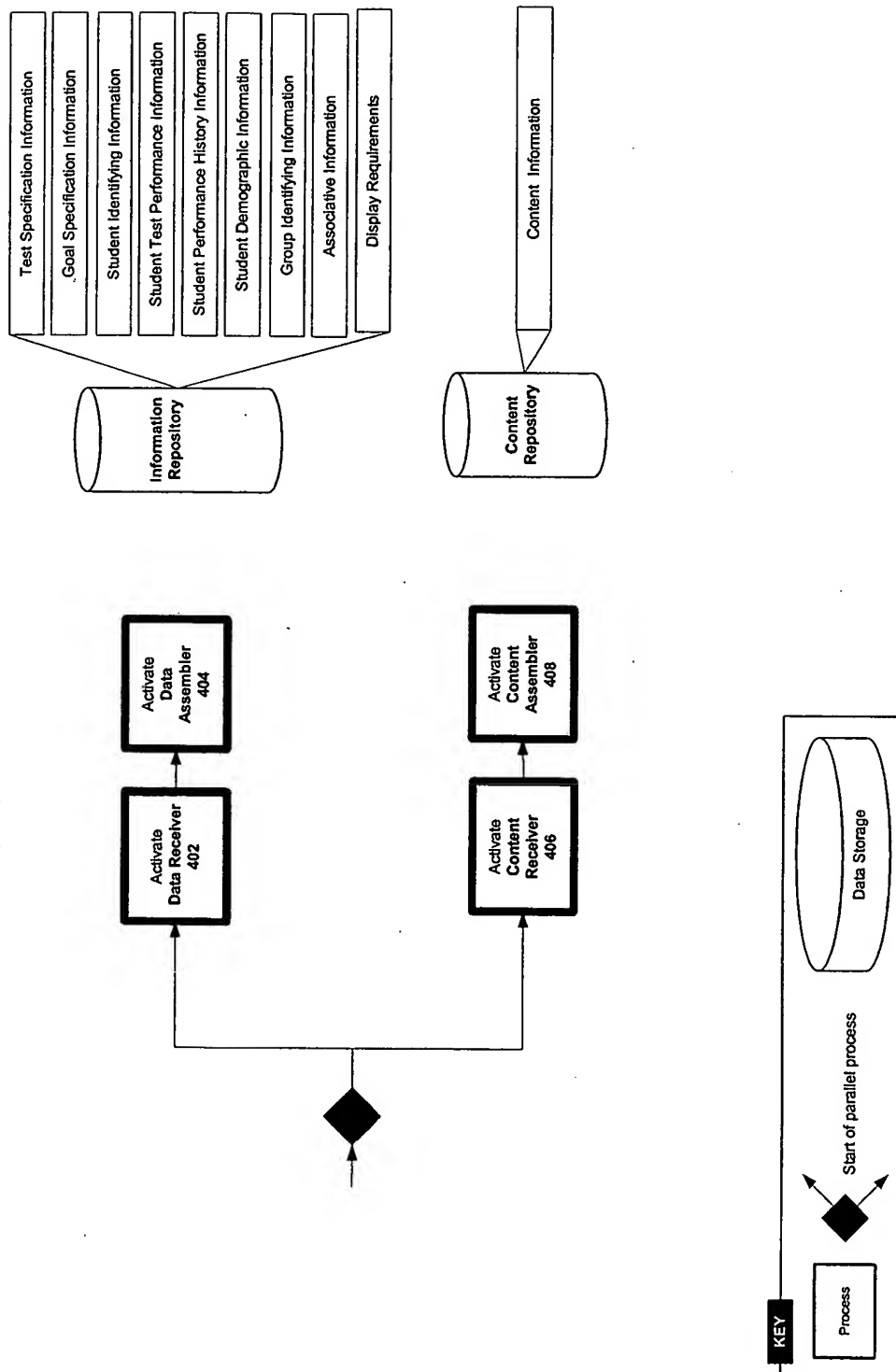


FIGURE 5
Diagram of the Data Storage Module

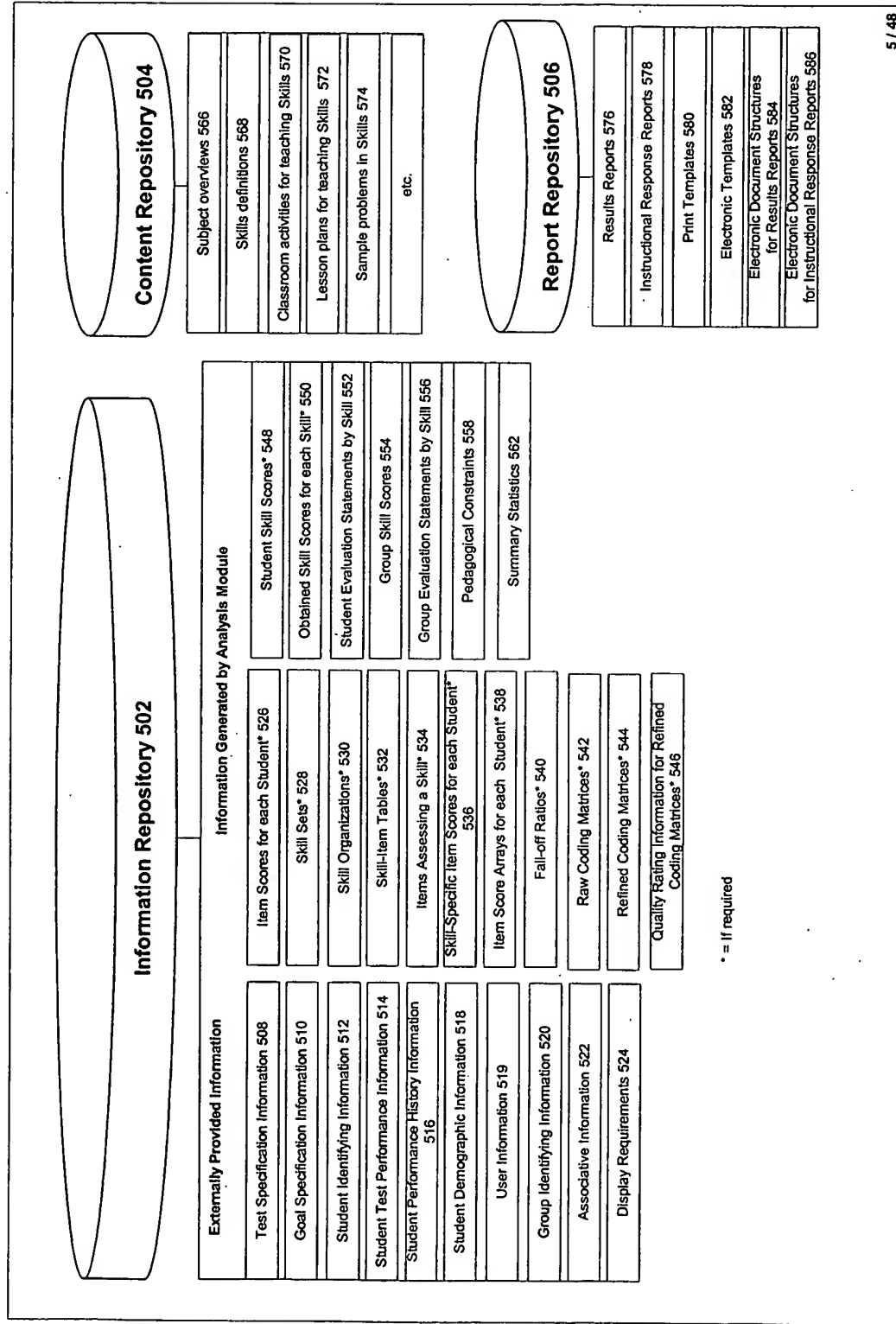


FIGURE 6

Flowchart of the Analysis Module

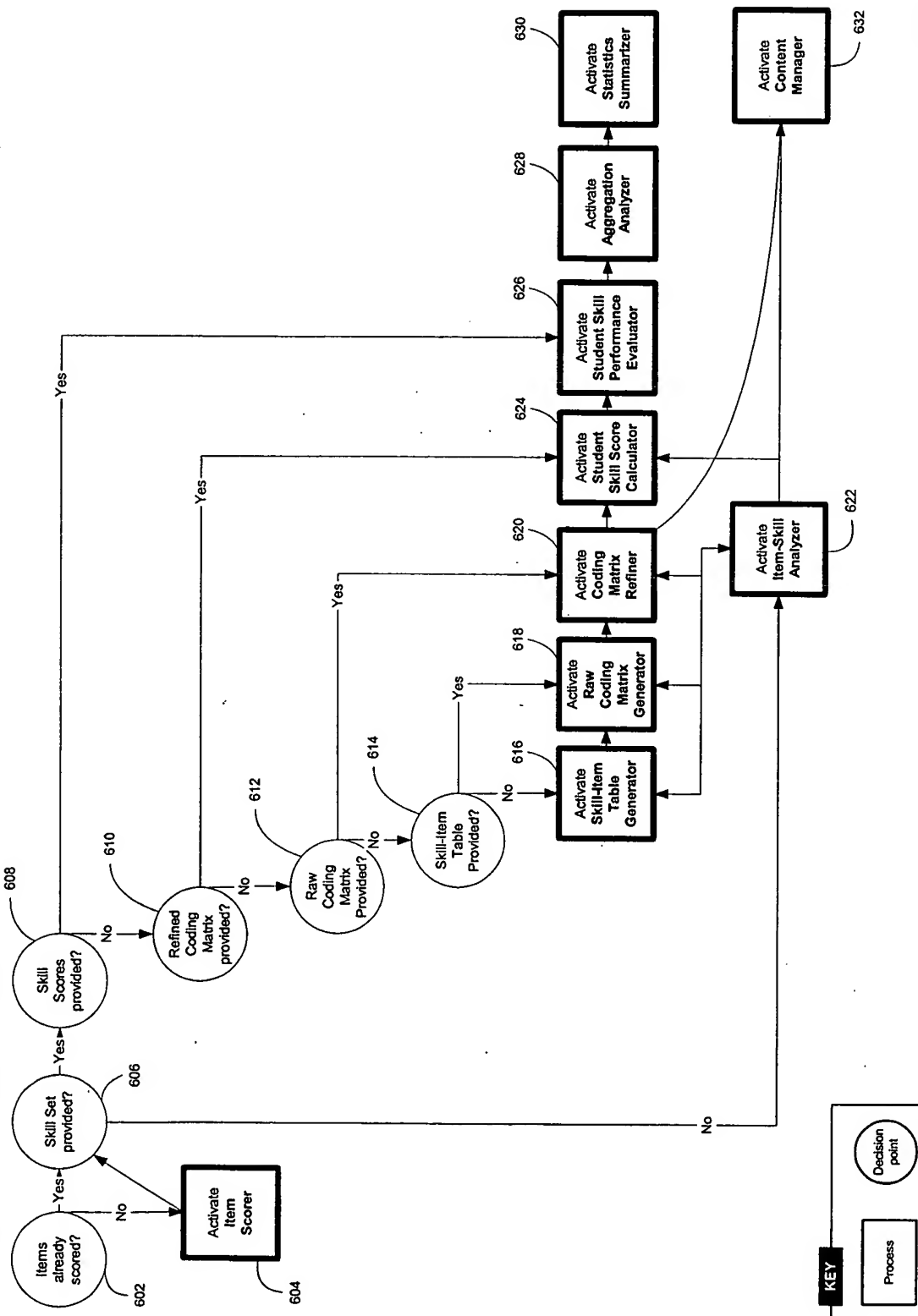


FIGURE 6A
Block Diagram of Item-Skill Analyzer

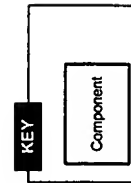
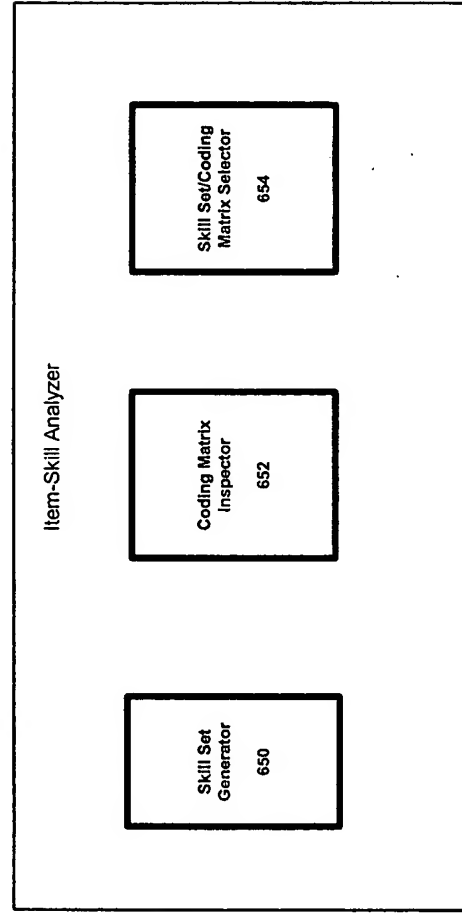


FIGURE 7
Flowchart of the Skill Set Generator

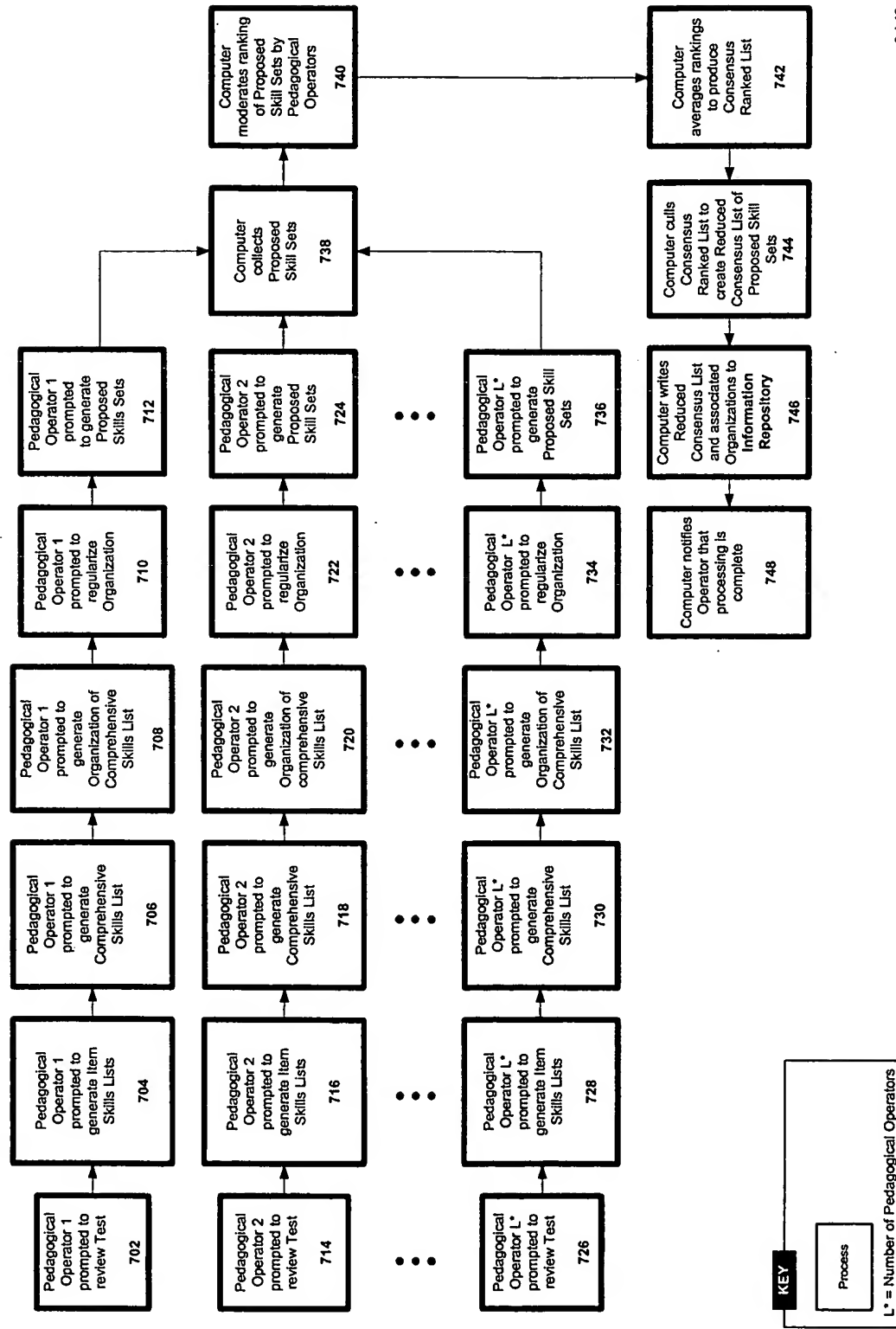


FIGURE 8
Diagram of Skill Organizations

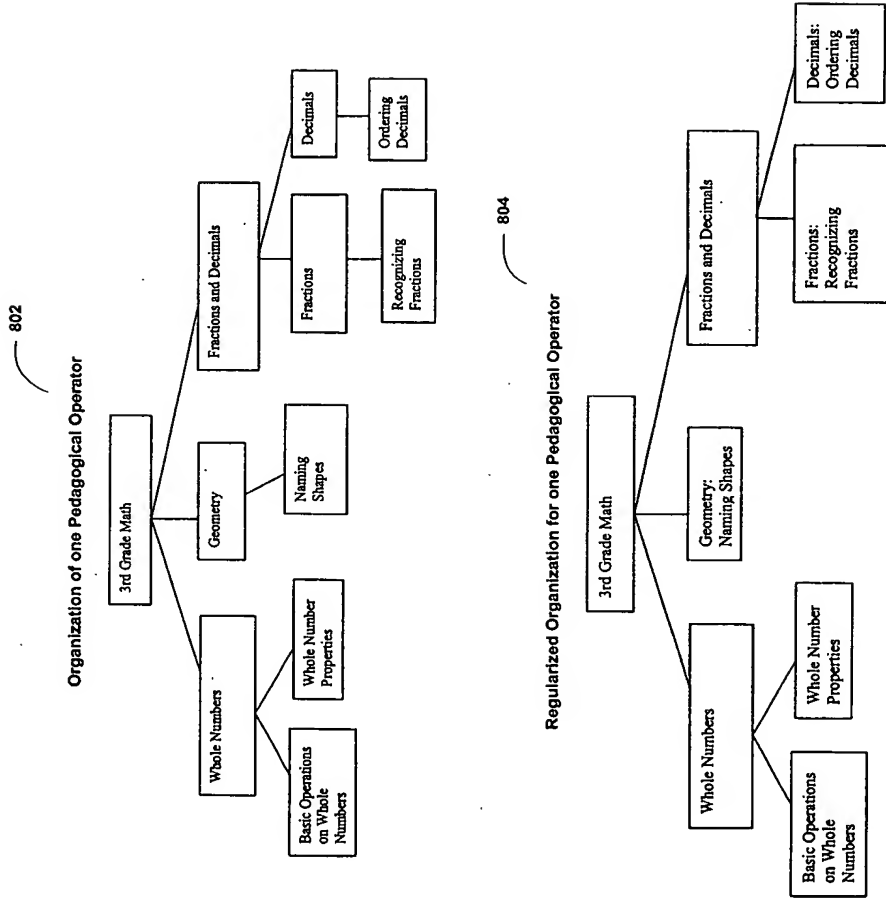


FIGURE 9
Flowchart of the Skill-Item Table Generator

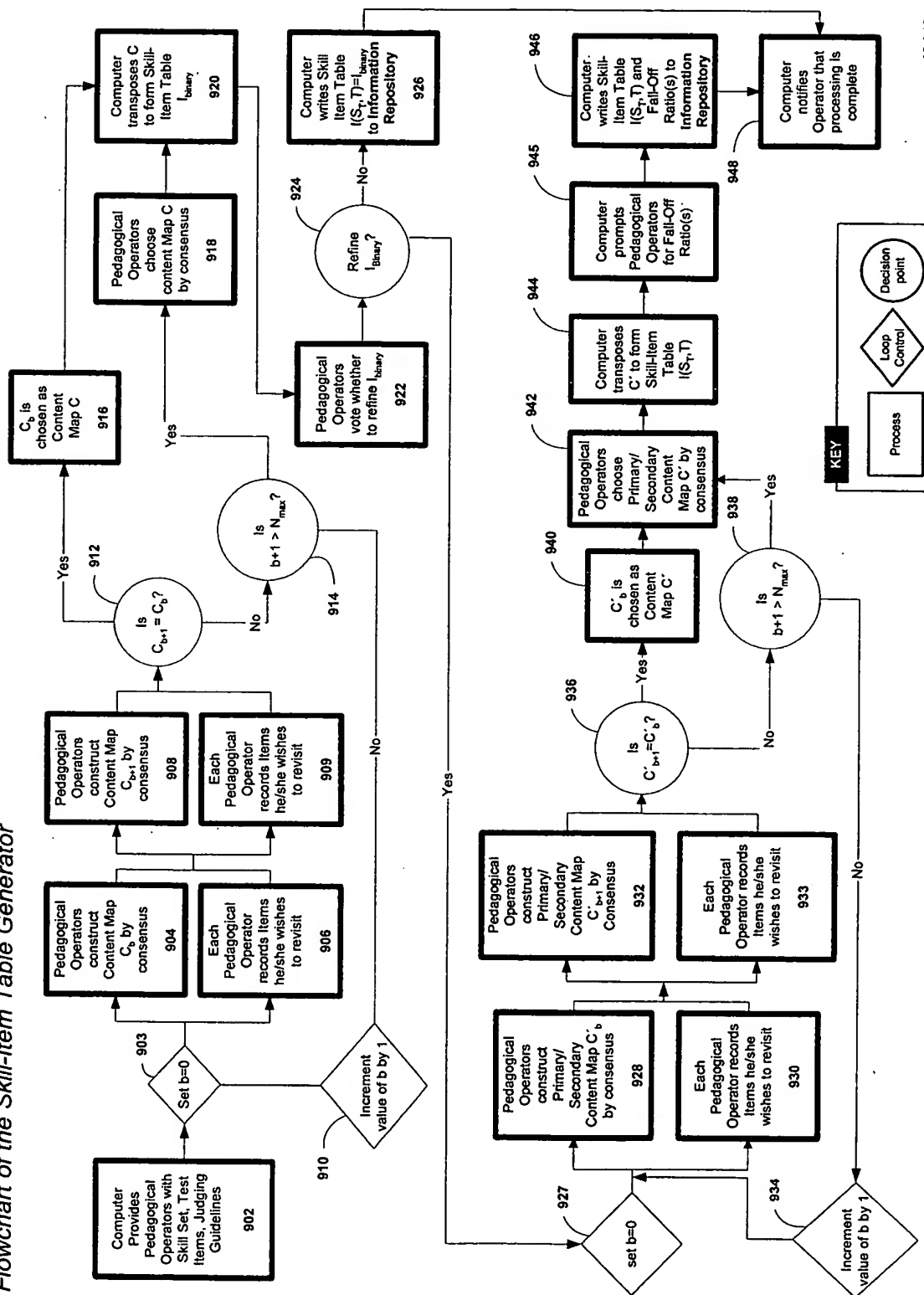


FIGURE 10
Flowchart of the Item-Skill Analyzer

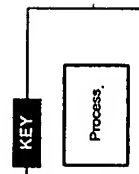
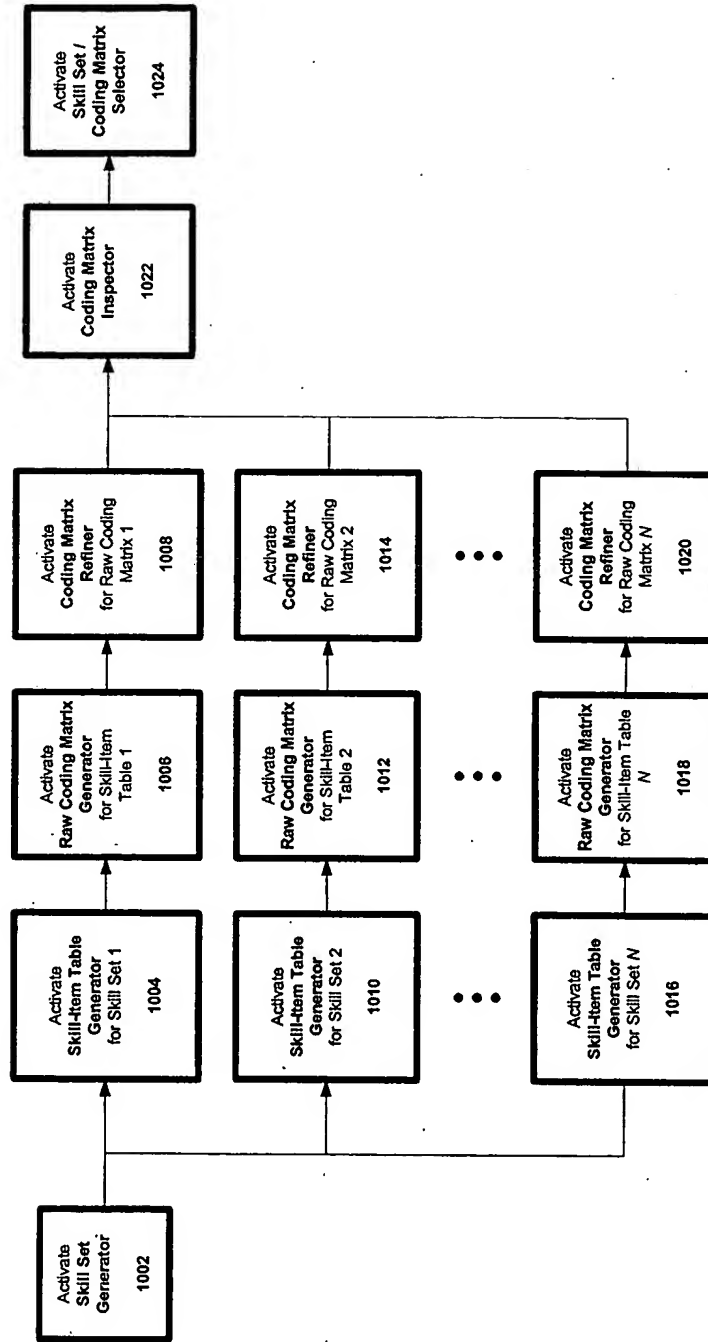


FIGURE 10A
Flowchart of the Student Skill Score Calculator

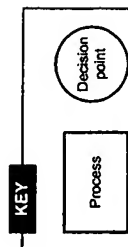
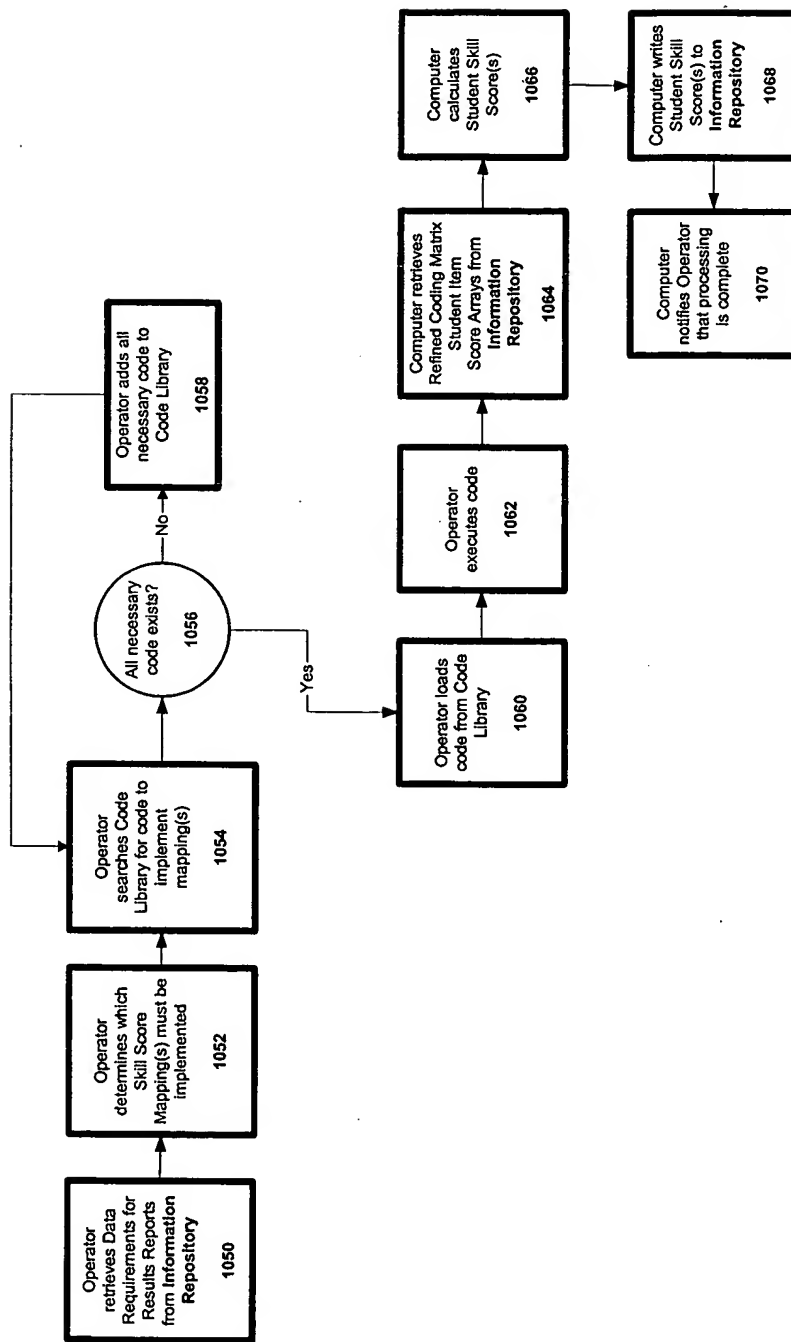


FIGURE 11
Flowchart of the Student Skill Performance Evaluator

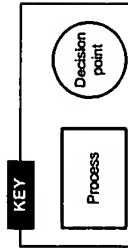
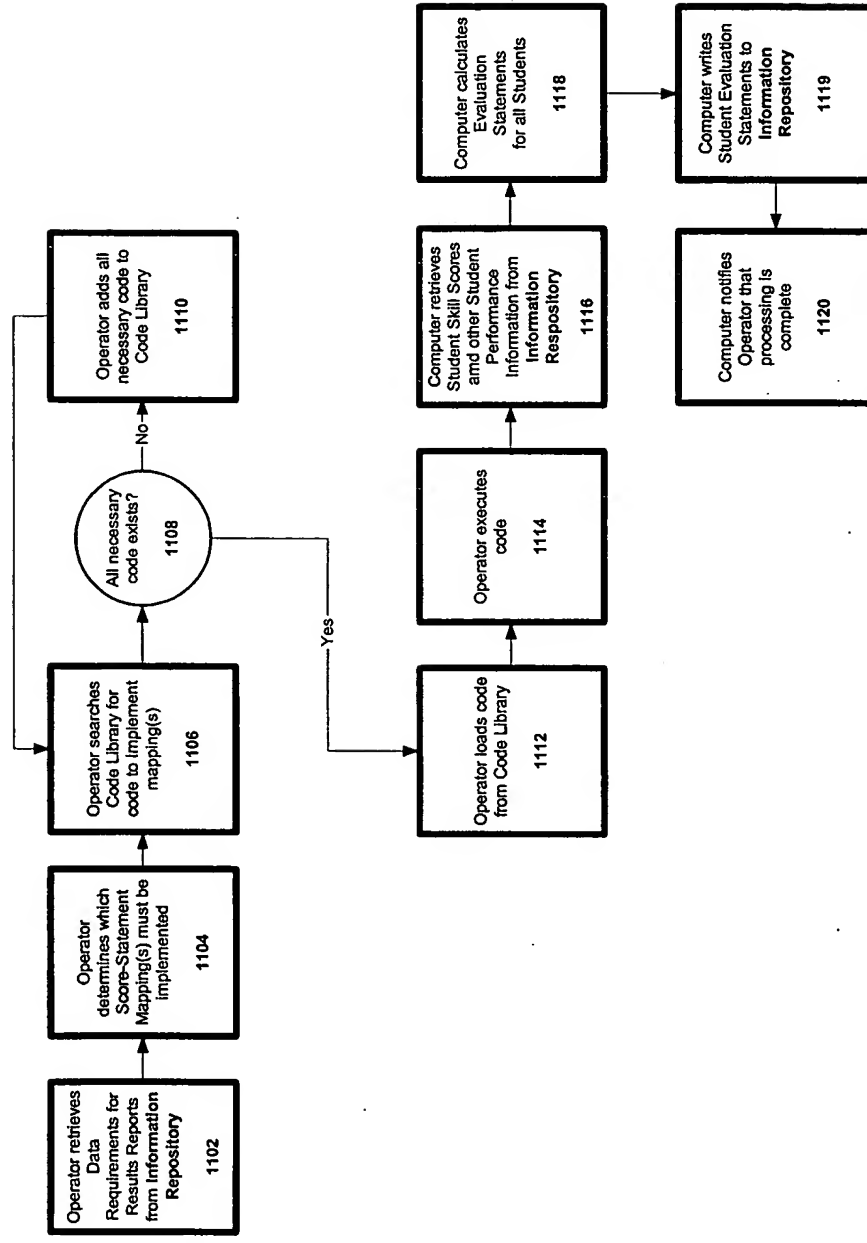


FIGURE 12



FIGURE 12A
Flowchart of a Room to Grow™ Prioritization

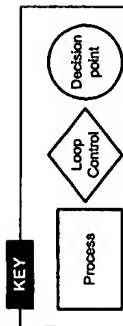
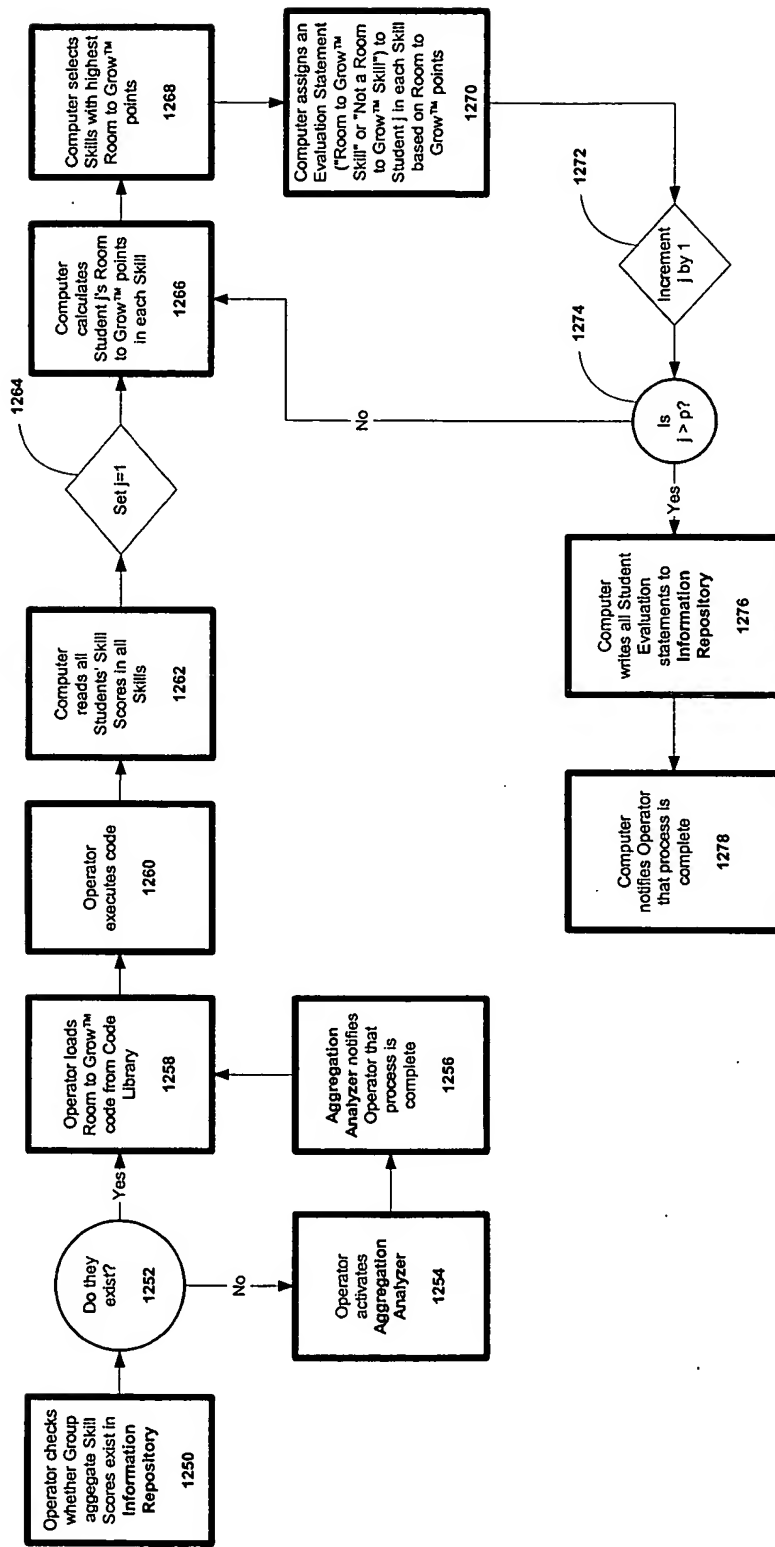


FIGURE 13
Flowchart of the Aggregation Analyzer

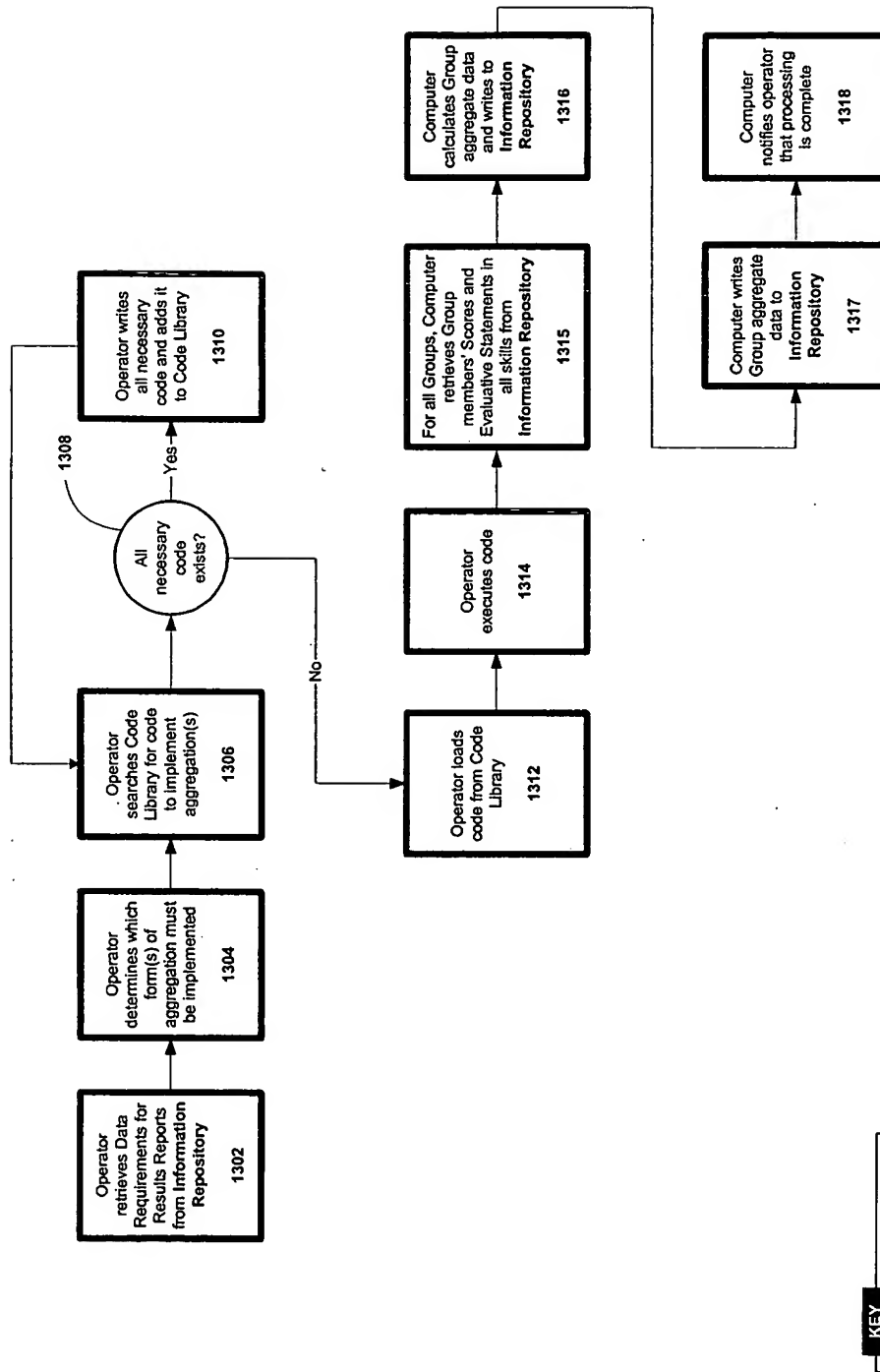


FIGURE 14
Flowchart of Utility Aggregation

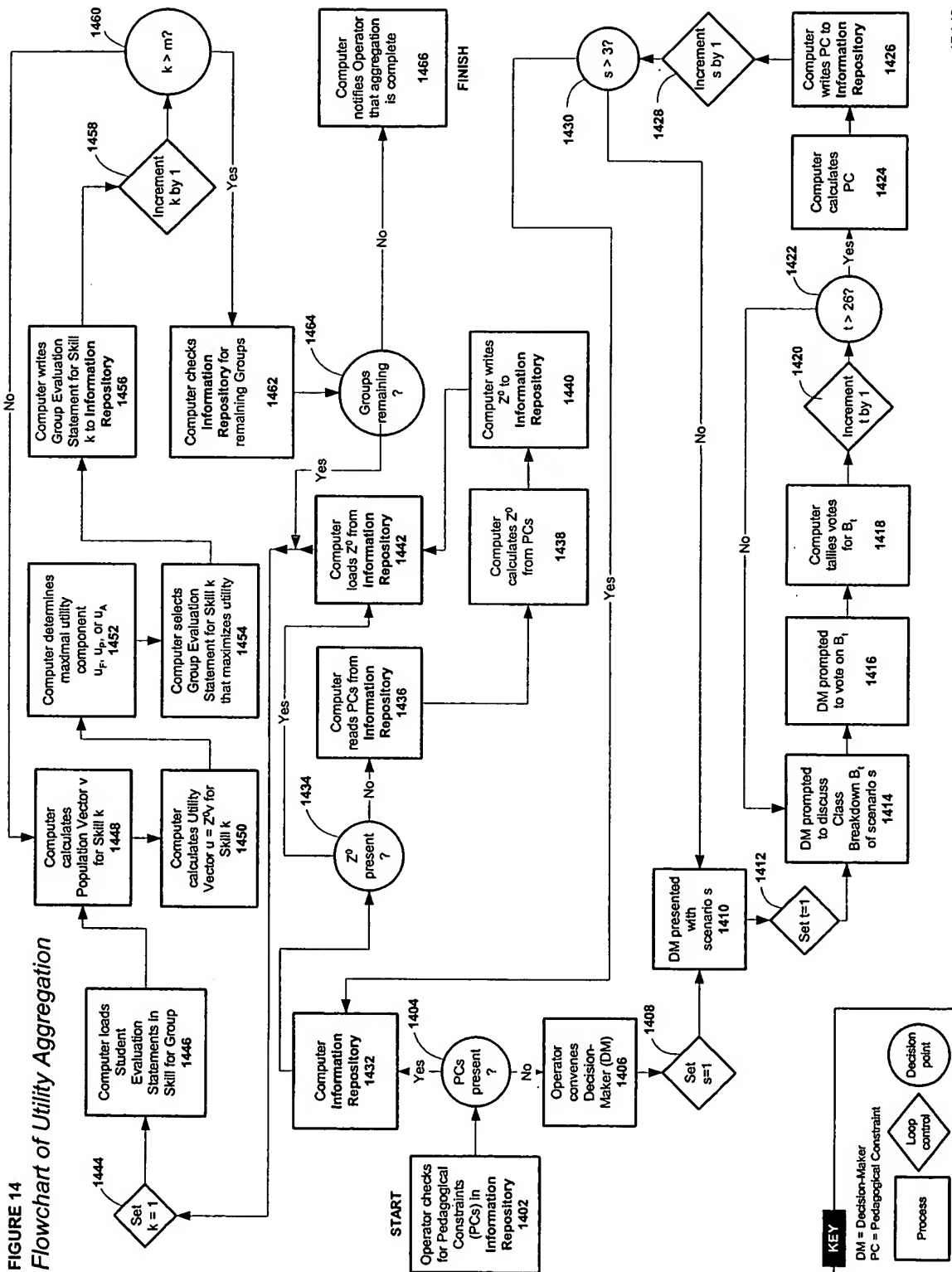


FIGURE 14B
Class Breakdowns for Second Scenario

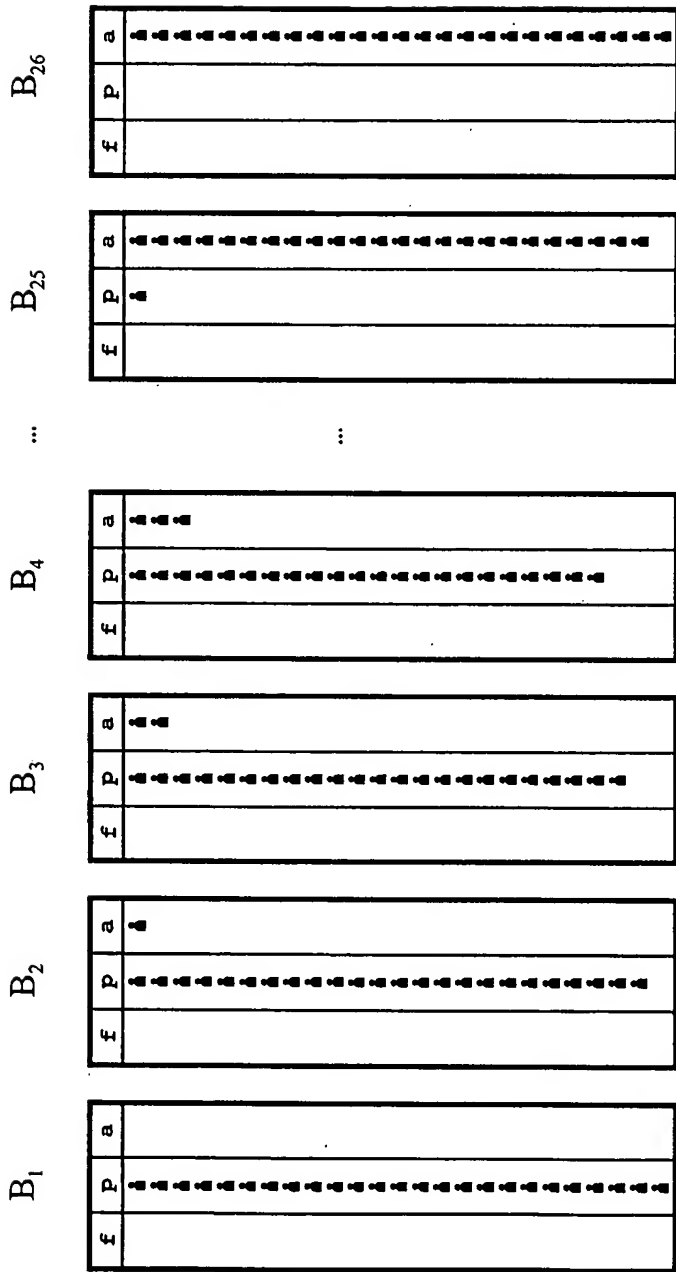


FIGURE 14C
Class Breakdowns for Third Scenario

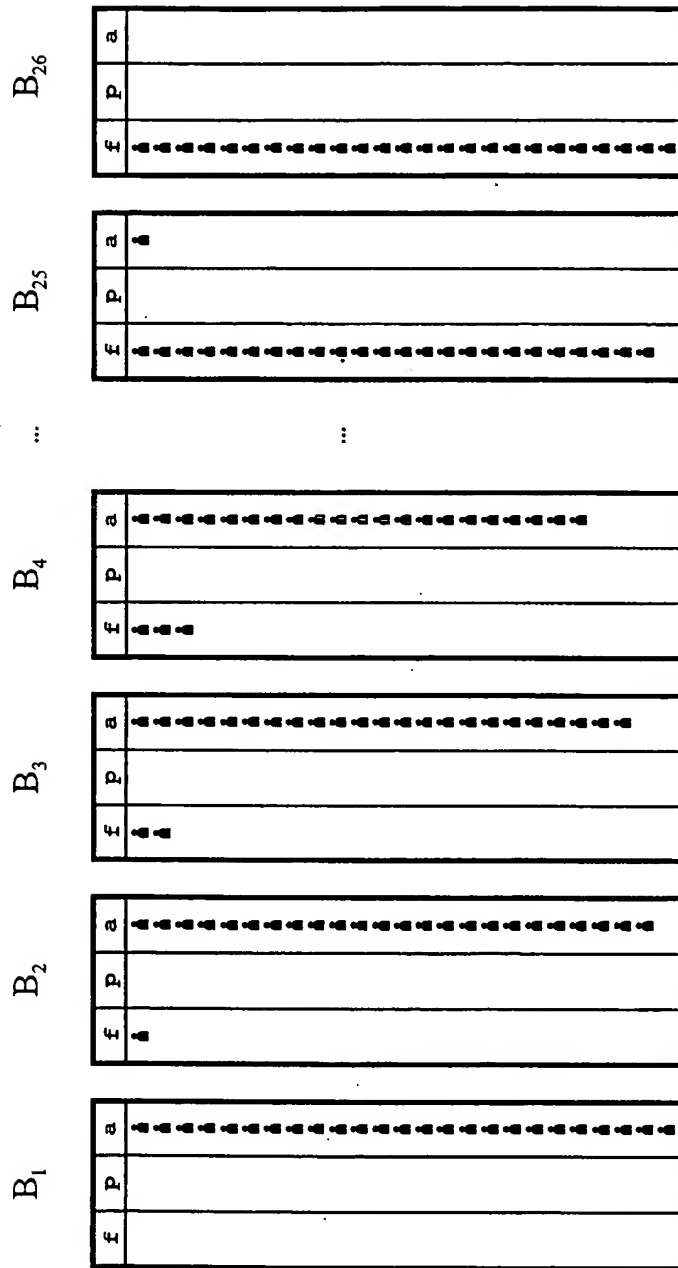


FIGURE 14D
Flowchart of the Statistics Summarizer

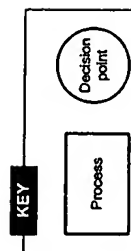
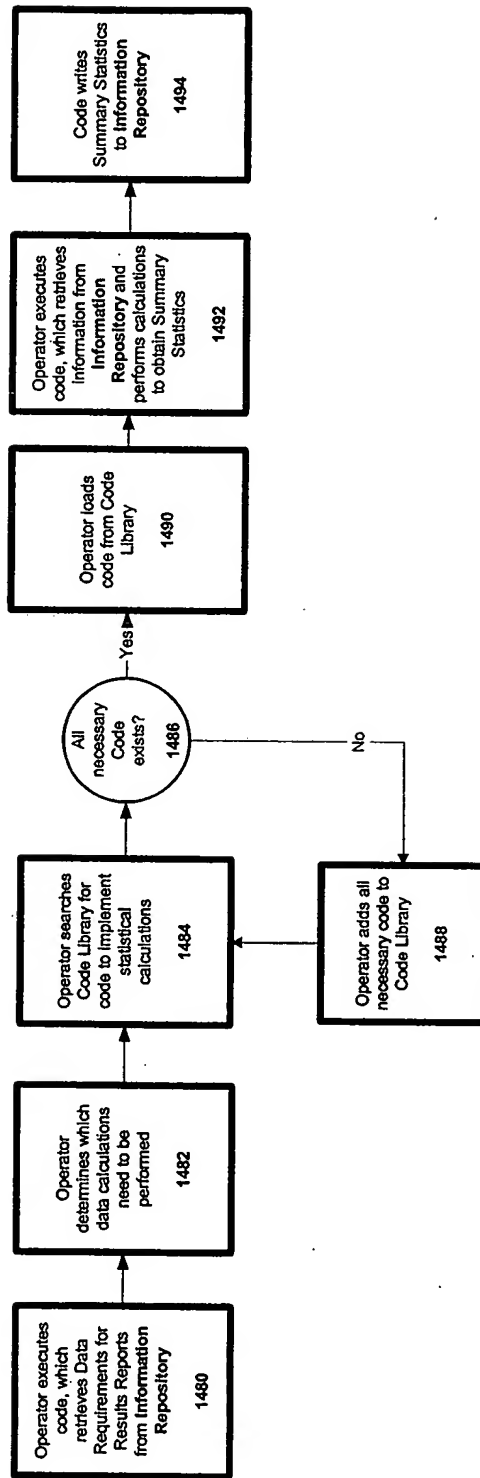


FIGURE 15
Flowchart of the Content Manager

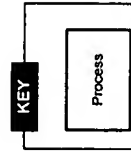
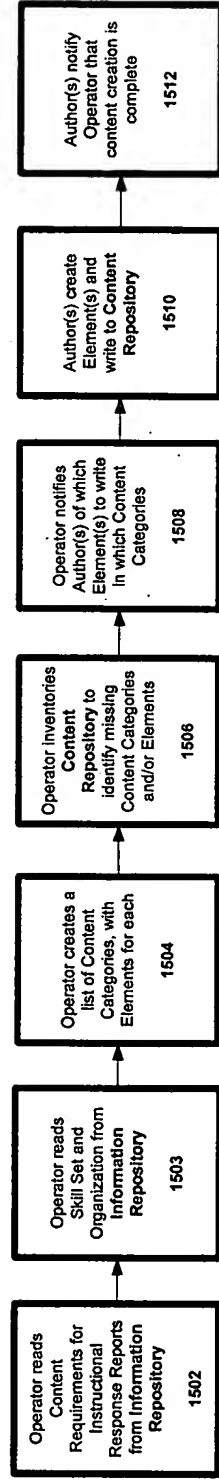


FIGURE 16
Flowchart of the Display Module

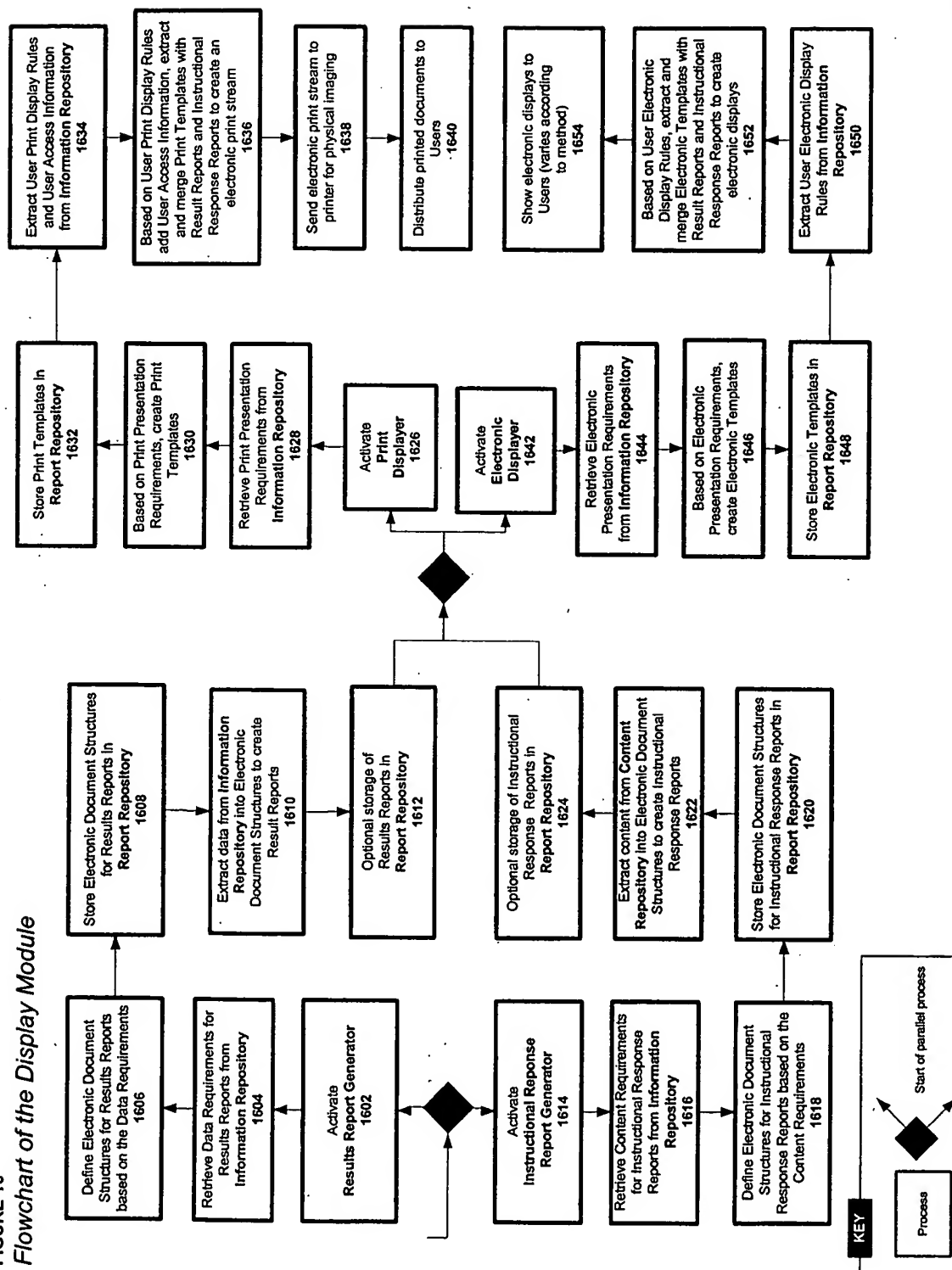


FIGURE 17
*Diagrams of a Data Display Requirement
 and an Electronic Document Structure*

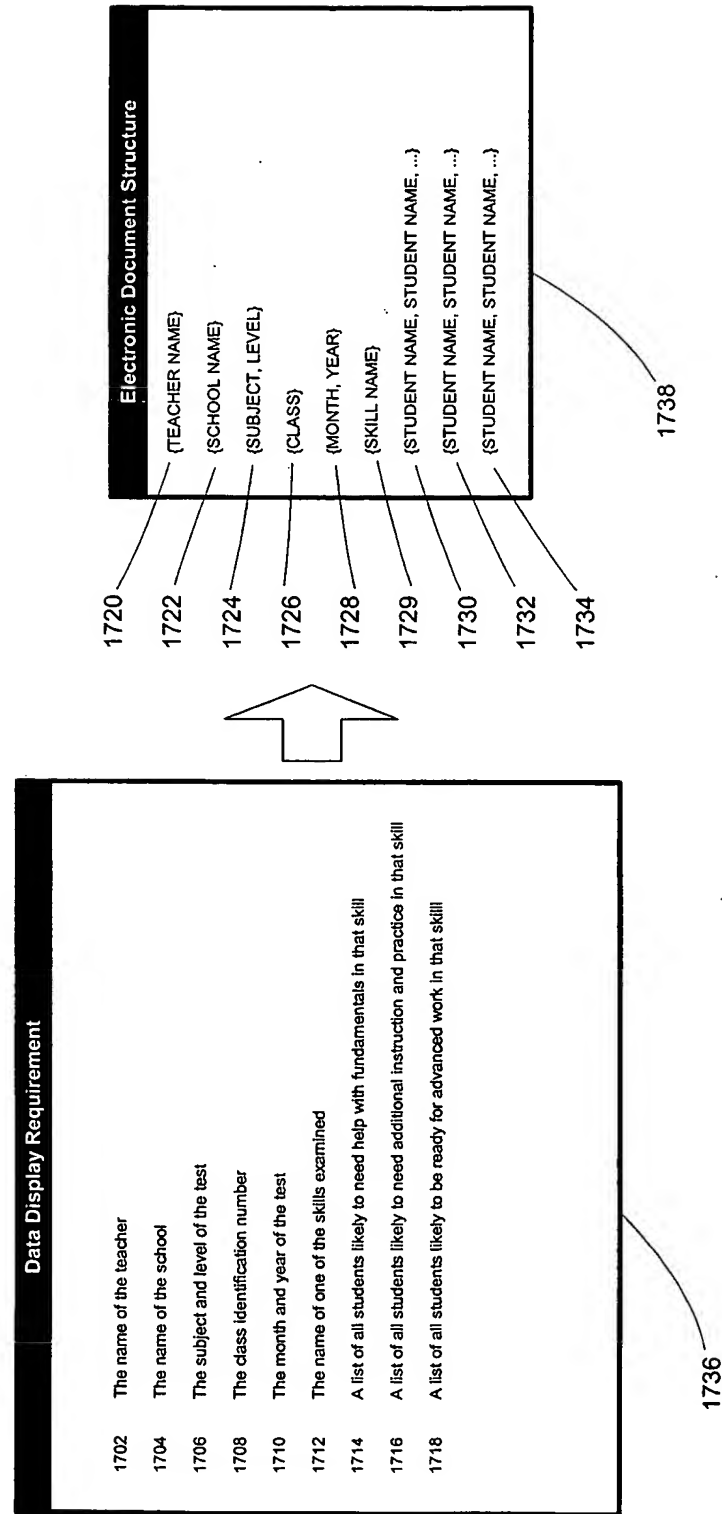


FIGURE 18
Diagram of a Portion of an Instructional Response Report 1802

```

1804 - <strategies>
      + <fundamentals>
      - <practice>
      - <Introduction>
        <p>If your students need some additional instruction and practice, you can try some of
        the activity ideas listed below.</p>
      </introduction>
      - <activity>
        - <description>
          <p>Ask students to think of a few situations in which they might want to add the same
          number over and over. Some ideas to get them started might be:</p>
          - <list>
            <listItem>counting the total number of wheels in a group of 8 cars</listItem>
            <listItem>counting the total number of keys on 5 calculators of the same
            type</listItem>
            <listItem>counting the total number of pencils in 10 boxes of pencils</listItem>
          </list>
          <p>Then have them make up a word problem to go with each situation, and solve a
          few of these problems.</p>
        </description>
      </activity>
      - <activity>
        - <description>
          <p>Ask students to think of a few situations in which they might count things in
          arrays. Here are some arrays they might use.</p>
          - <list>
            <listItem>seats on a bus</listItem>
            <listItem>windows on a building</listItem>
          </list>
          <p>Then have them make up a word problem to go with each situation, and solve a
          few of these problems.</p>
        </description>
      </activity>
      - <activity>
        - <description>
          <p>Ask students to think of a few "times as many" situations. Here are some ideas to
          get them started.</p>
          - <list>
            <listItem>One store has 5 times as many customers as another store.</listItem>
            <listItem>One team has 3 times as many points as another team.</listItem>
            <listItem>One car costs 4 times as much as another car.</listItem>
          </list>
          <p>Then have them make up a word problem to go with each situation, and solve a
          few of these problems.</p>
        </description>
      </activity>
      - <activity>
        - <description>
          <p>Ask students to think of a few situations in which they might break a big group
          into smaller groups. Here are some ideas to get them started.</p>
          - <list>
            <listItem>Spread 100 seeds evenly along 10 rows in the garden.</listItem>
            <listItem>Split the class into 4 equal teams to play a game.</listItem>
          </list>
          <p>Then have them make up a word problem to go with each situation, and solve a
          few of these problems.</p>
        </description>
      </activity>
      </practice>
      + <advanced>
    </strategies>
1808

```

FIGURE 19 (page 1 of 2)

Diagram of a Sample Printed Report

PAGE 4

PAGE 1

1902

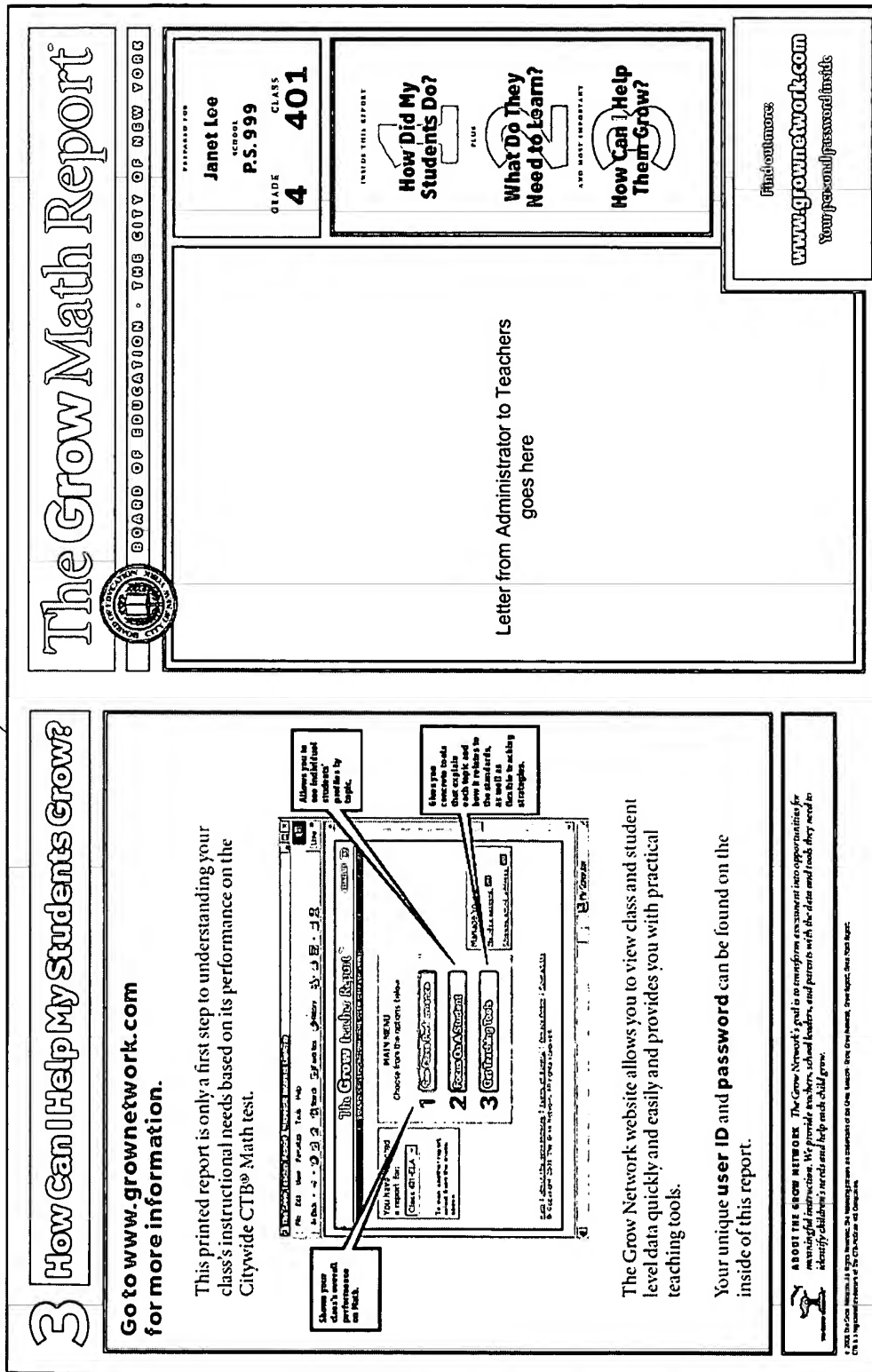


FIGURE 19 (page 2 of 2)
Diagram of a Sample Printed Report

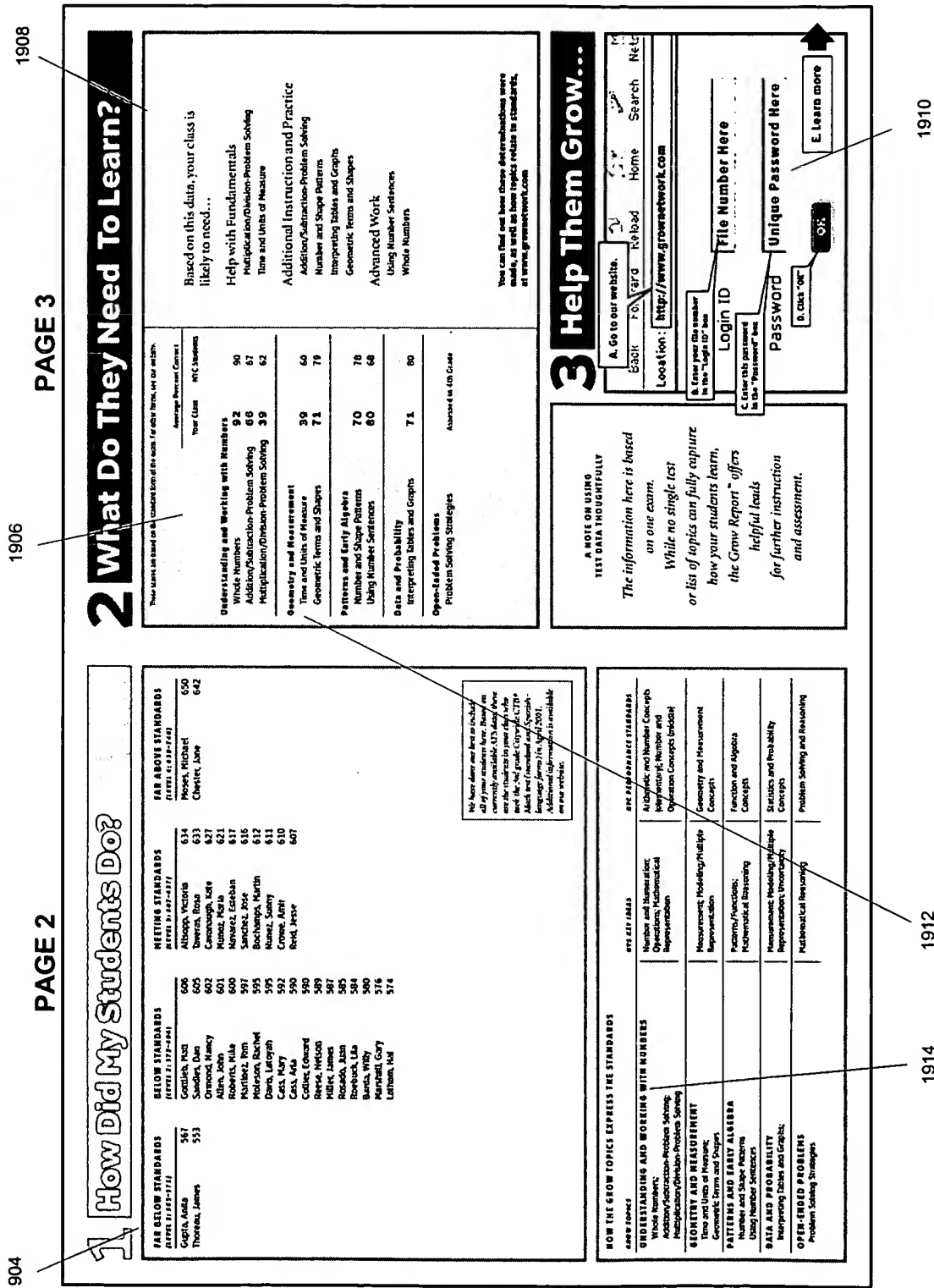


FIGURE 19A
Diagram of a Complex Data Display in Print

1952

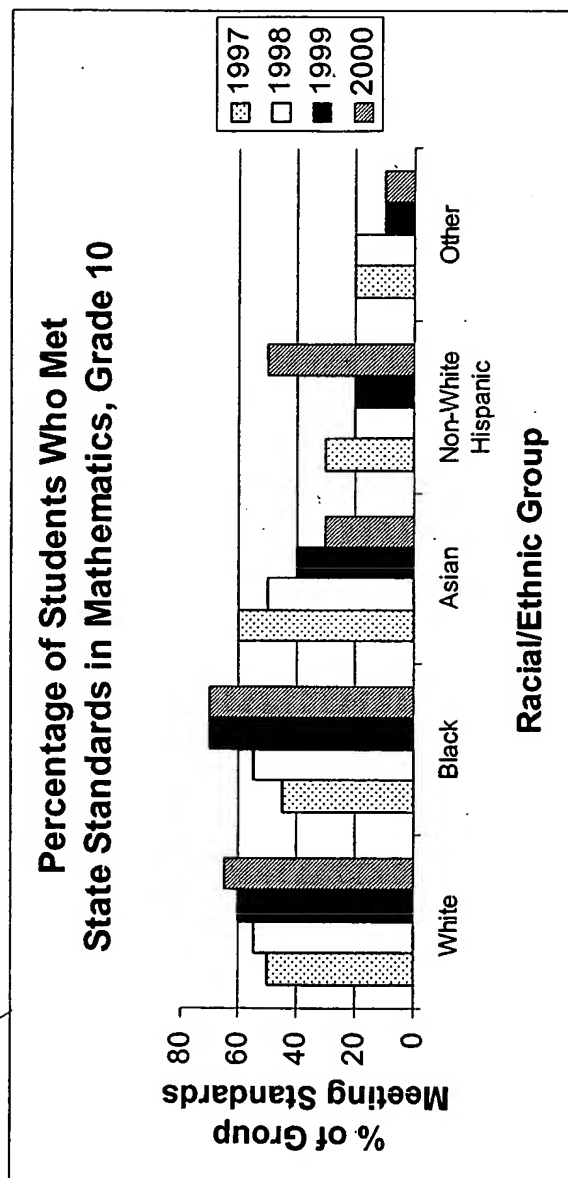


FIGURE 20
Diagrams of a Results Report and an Electronic Display

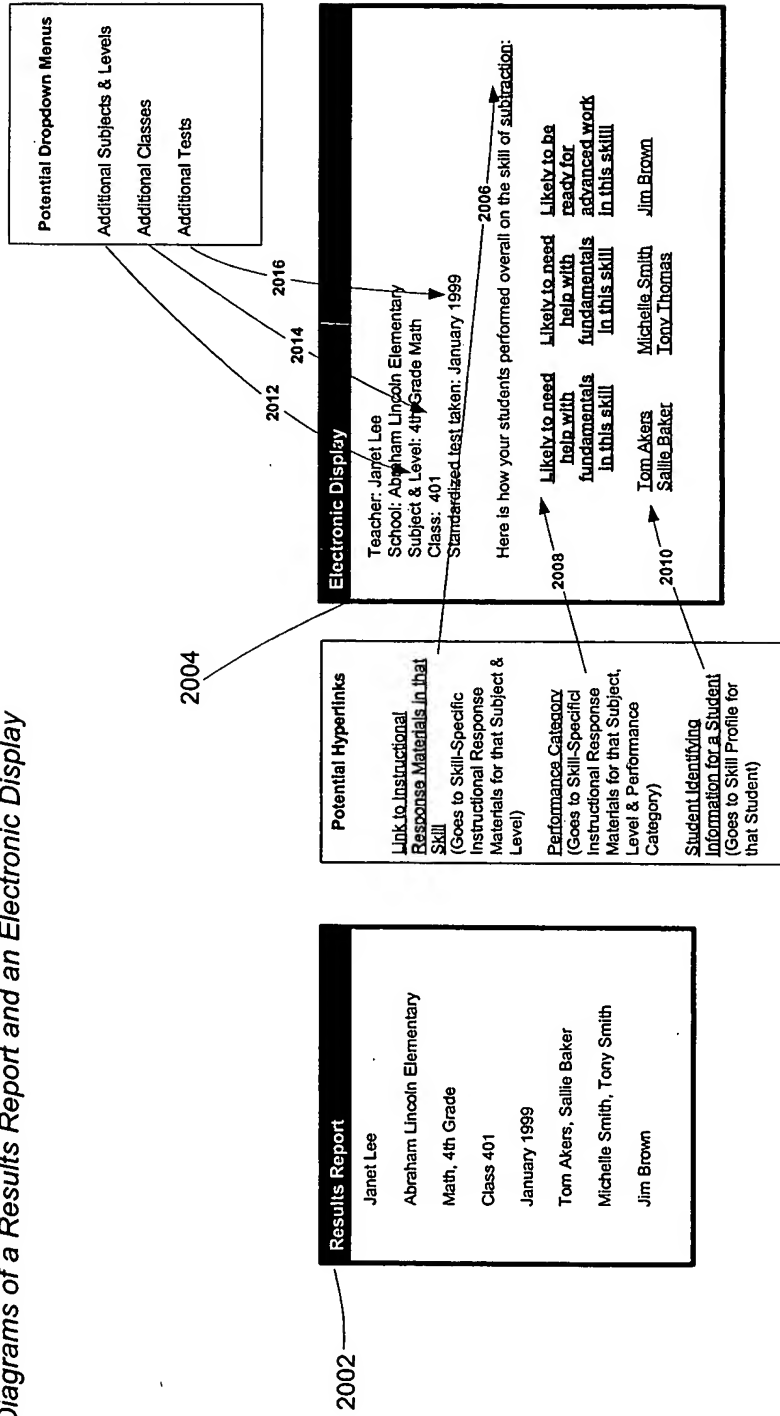


FIGURE 21
Flowchart of the User Authentication Process

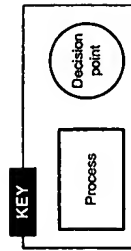
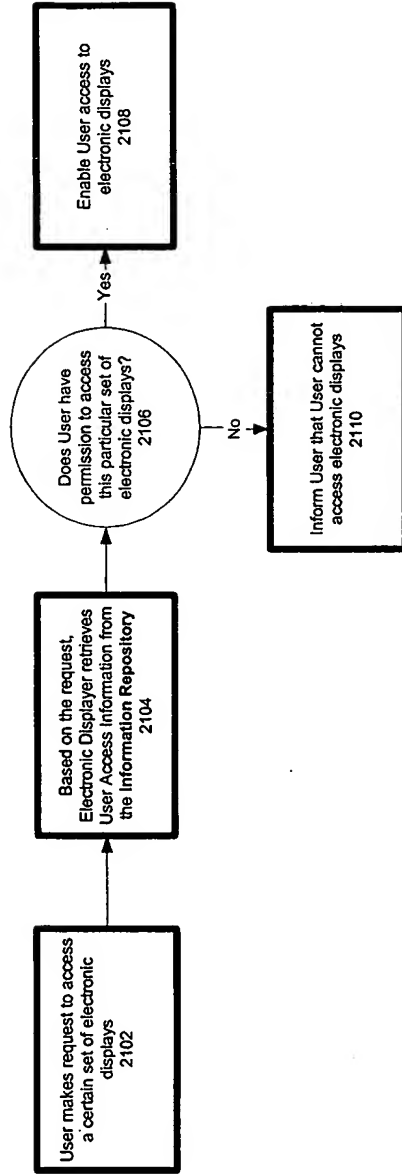
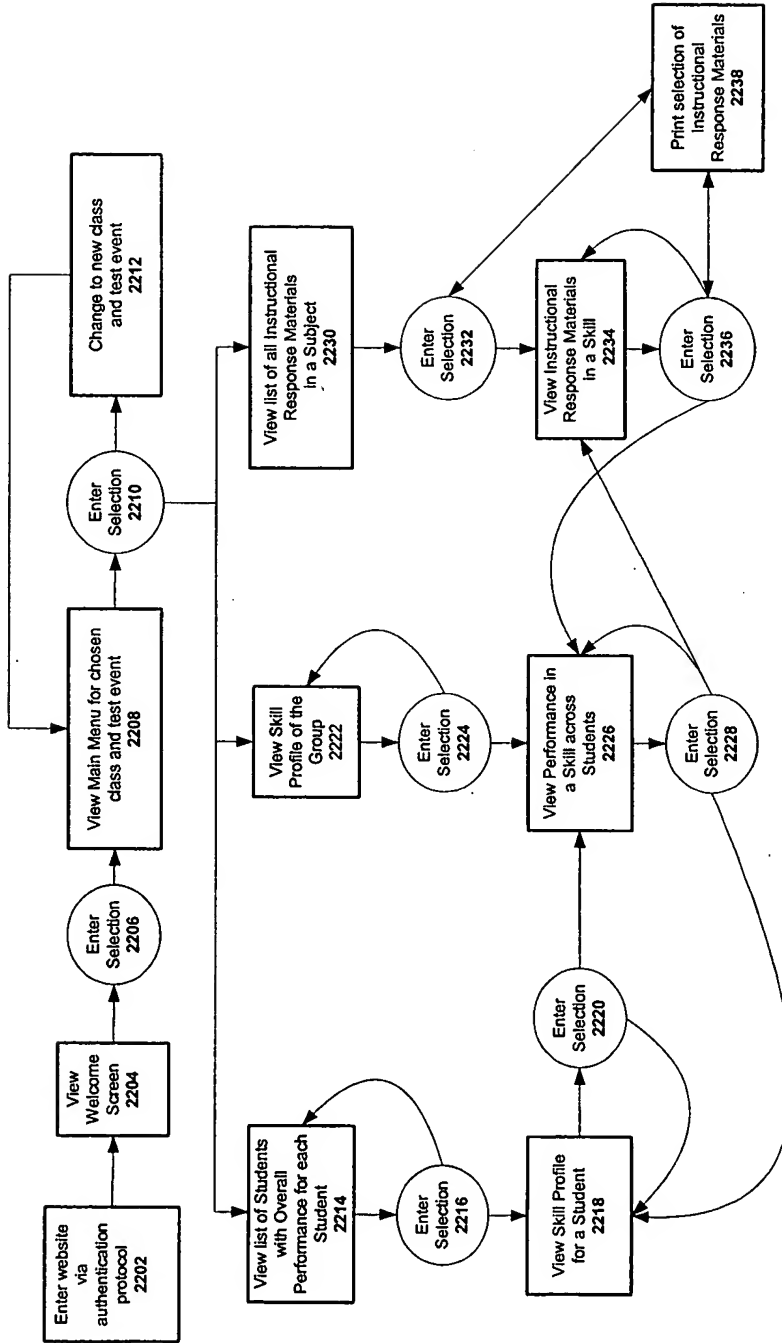
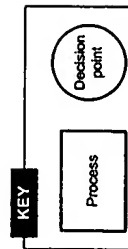


FIGURE 22
Flowchart of a Display Website



In addition to the linkages shown here, all "Enter Selection" decision points allow User to:

- Return to Main Menu
- Go to help and general information screens
- Change user authentication information
- Log out



2302

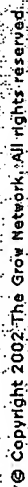


FIGURE 24
Diagram of a "Main Menu" Display

2402

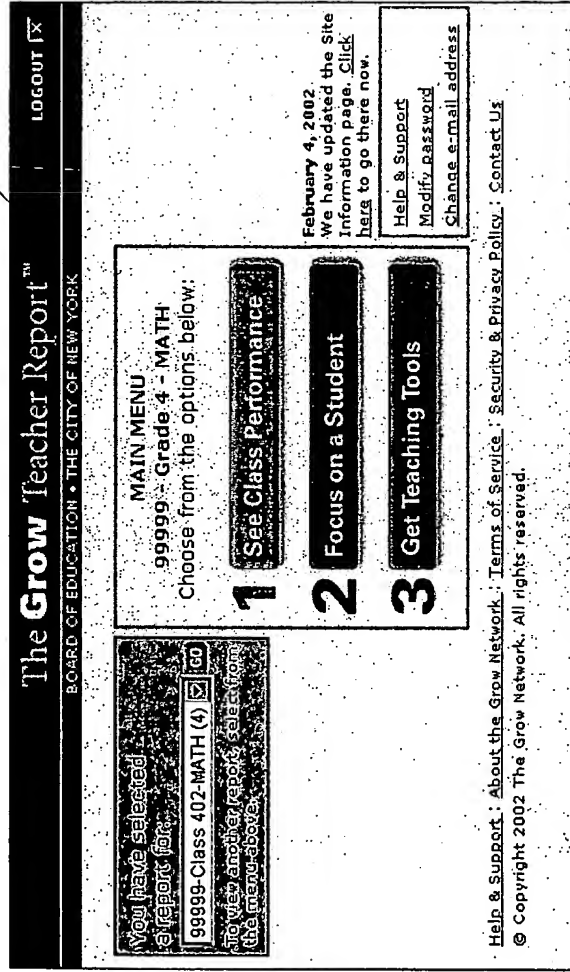


FIGURE 25

Diagram of a "Students' Overall Performance" Display

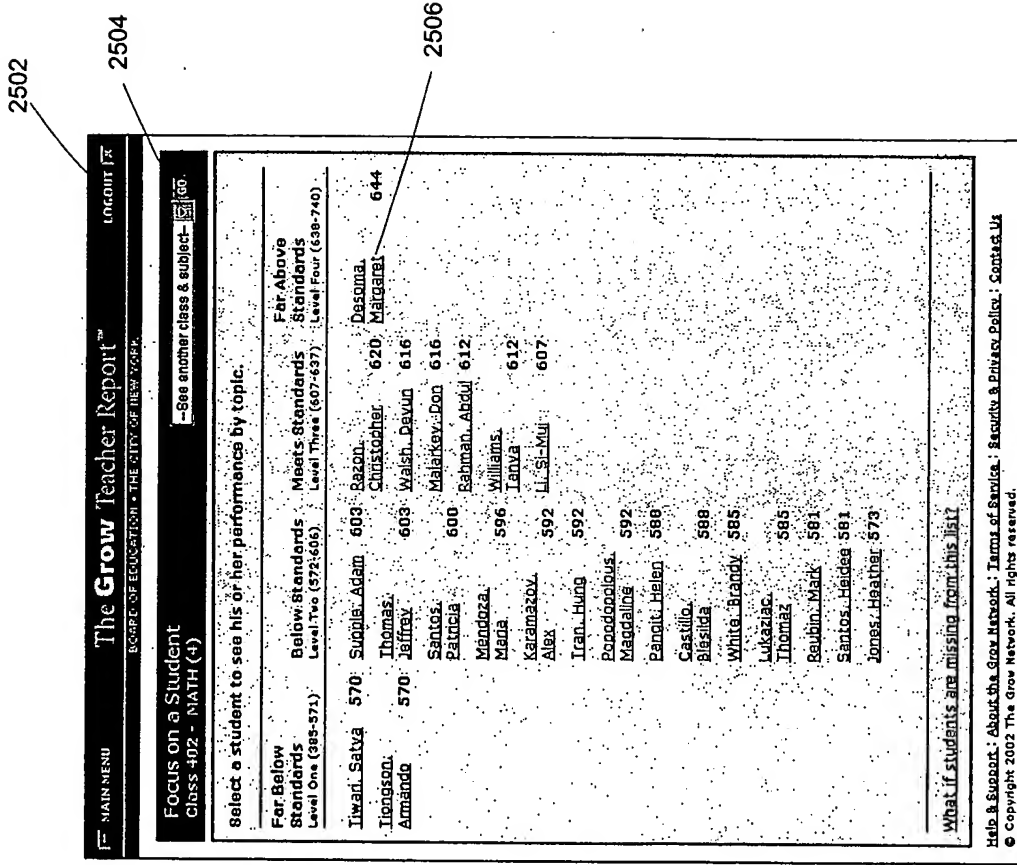


FIGURE 26

Diagram of a "Skill Profile of a Student" Display

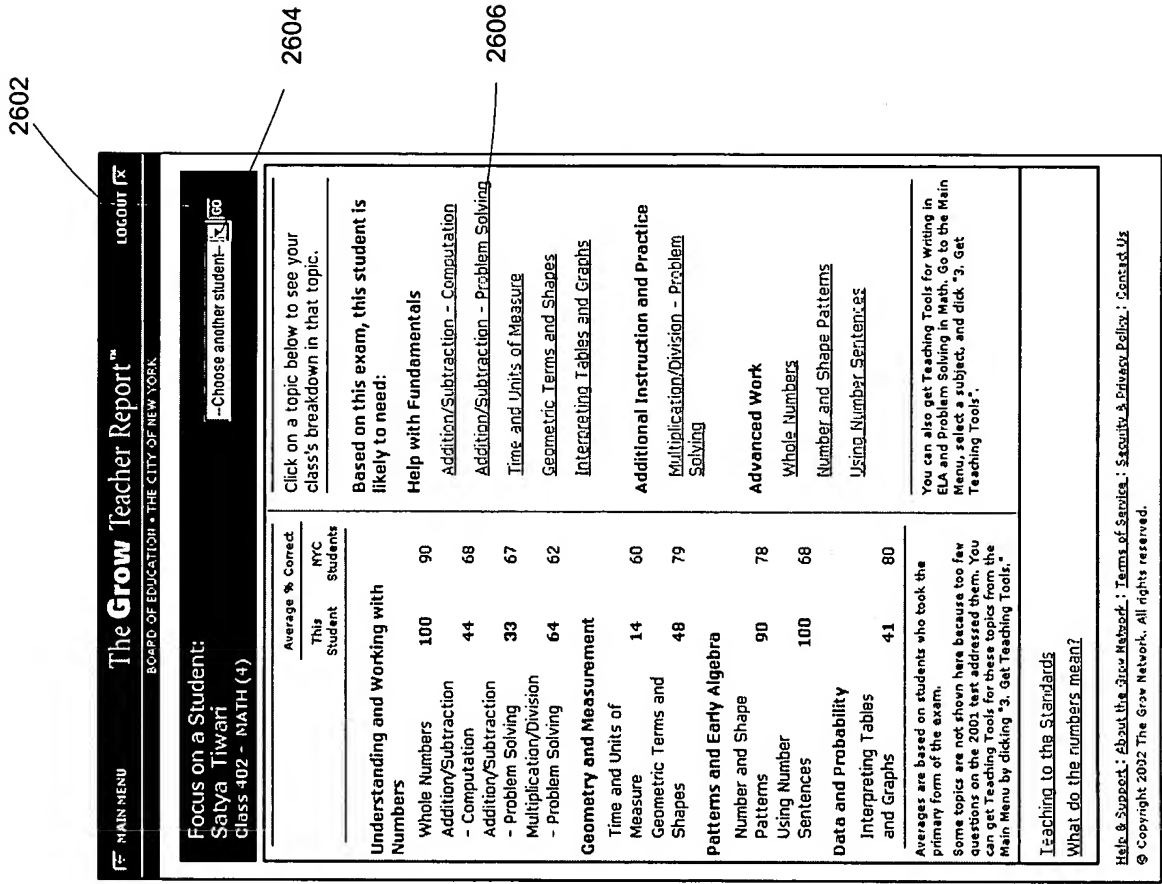


FIGURE 27

Diagram of a "Skill Profile of a Group" Display

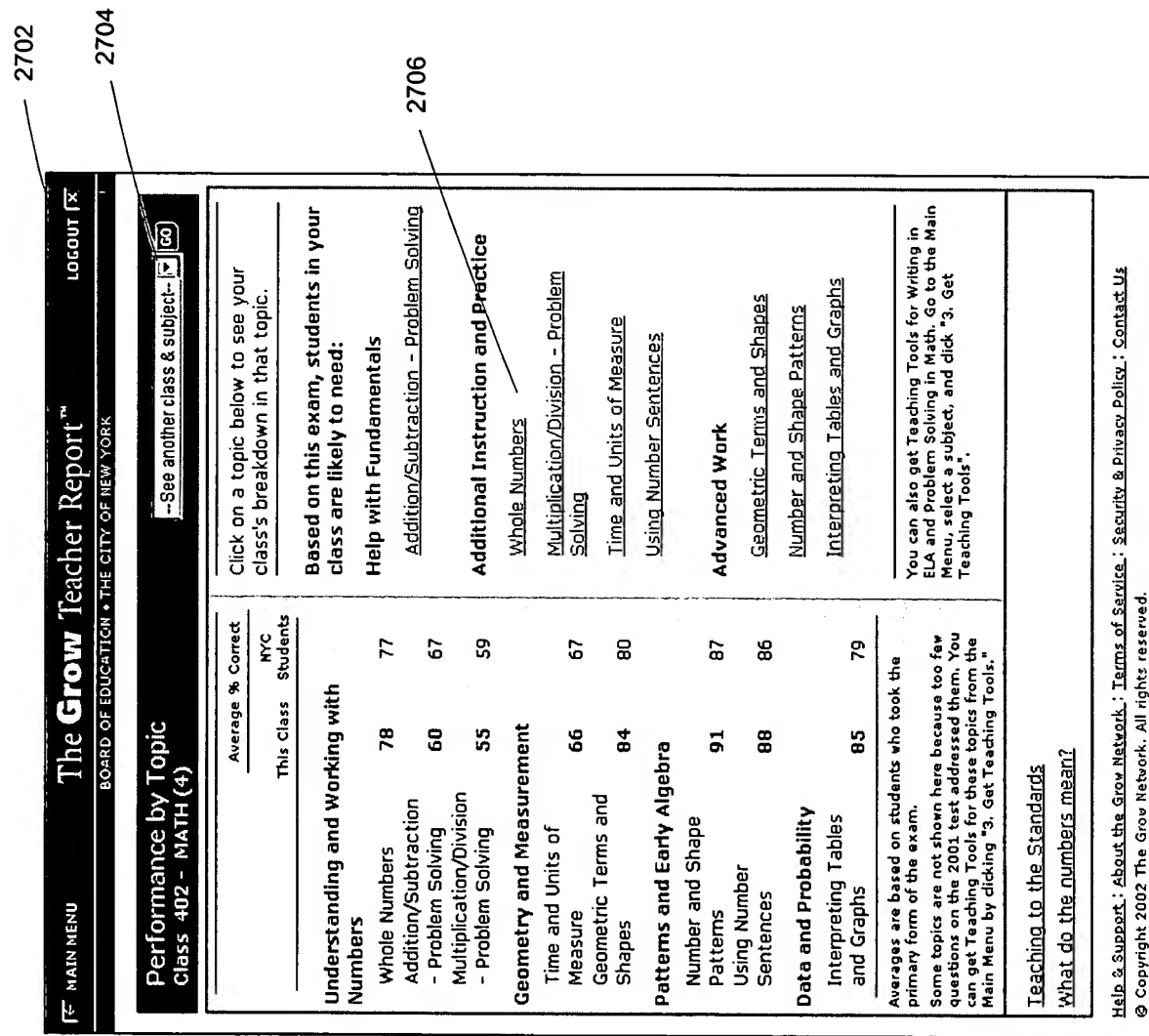


FIGURE 28
Diagram of a "Performance in a Skill across Students" Display

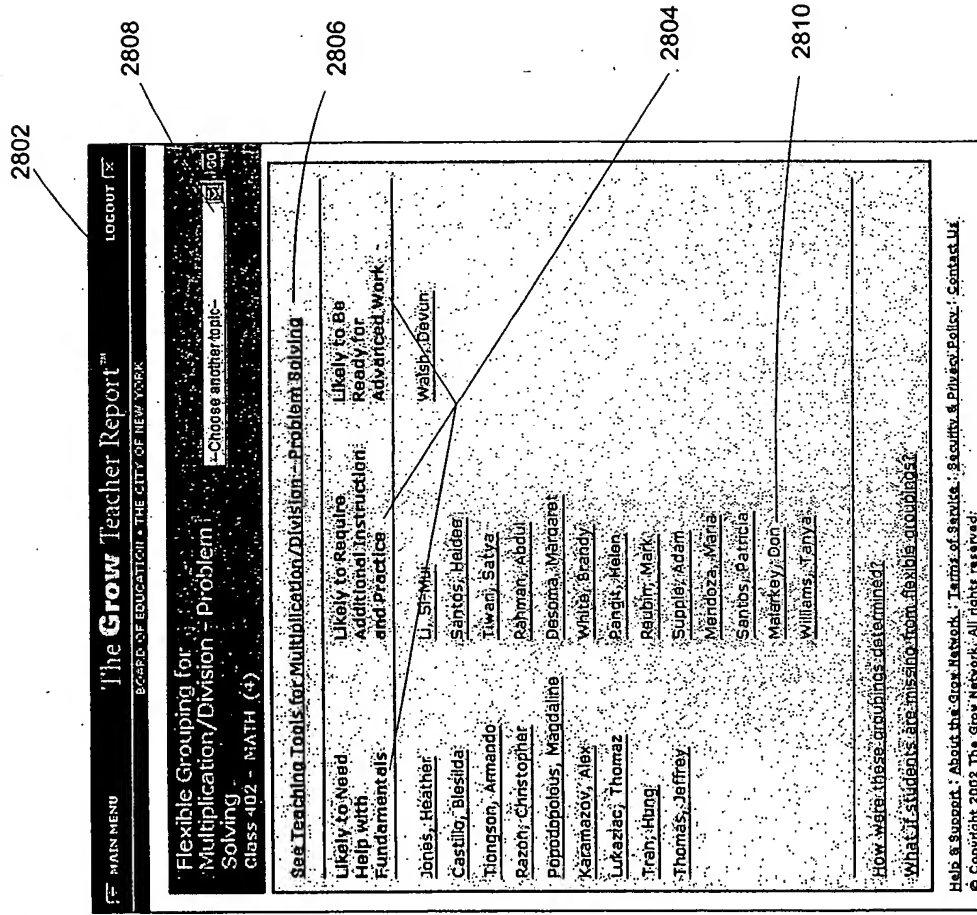


FIGURE 29
Diagram of a "Listing of Instructional Tools" Display

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Get Teaching Tools™ for all Topics
Class 402 - MATH (4)

Click on a topic to see detailed instructional information.

<u>Addition/Subtraction - Computation</u> 1. Facts and Computation <u>Addition/Subtraction - Problem Solving</u> 1. Addition Situations 2. Subtraction Situations 3. Situations With a Twist <u>Fractions and Decimals</u> 1. Understanding Fractions 2. Understanding Decimals 3. Ordering Fractions and Decimals <u>Geometric Terms and Shapes</u> 1. Identifying and Imagining Shapes 2. Shapes That Look Alike 3. Moving Shapes Around <u>Interpreting Tables and Graphs</u> 1. Interpreting Tables 2. Interpreting Graphs 3. Creating Tables and Graphs <u>Likely Outcomes</u> 1. Talking about probability 2. Finding the probability 3. Counting the number of combinations	<u>Multiplication and Division - Problem Solving</u> 1. Multiplication Situations 2. Division Situations 3. What To Do With Remainders 4. "Increasing Over Time" 5. Situations With a Twist <u>Number and Shape Patterns</u> 1. Exploring Sequences of Numbers 2. Exploring Sequences of Shapes 3. Exploring Geometric Patterns <u>Problem-Solving Strategies</u> 1. Making a Plan 2. Carrying out the Plan 3. Putting it into Words <u>Time and Units of Measure</u> 1. Basic Time and Money Skills 2. Clocks, Calendars, and Time 3. Units of Measure 4. Making Actual Measurements <u>Using Number Sentences</u> 1. What is a Number Sentence? 2. Understanding Number Sentences 3. Number Sentences and Problem Solving <u>Whole Numbers</u> 1. Place Value 2. Ordering Numbers 3. Rounding Numbers
---	---

2902

FIGURE 30

Diagram of an "Instructional Tools" Display

3002

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Teaching Tools for Fractions and Decimals
Class 402 - MATH (+)

-Choose another topic-

Contents

Introduction

Essentials

1. Understanding Fractions

2. Understanding Decimals

3. Ordering Fractions and Decimals

Activities

Help with fundamentals

Additional instruction and practice

Advanced work

Resource Problems

for Essential 1

for Essential 2

for Essential 3

for All Essentials

Resources

Curriculum Resources

Online Resources

The Standards

Introduction

As students learn more and more about numbers, they recognize the need for numbers in between whole numbers. What if you want to share one cookie between two friends? How much should each person get? When we break groups or whole items into equal parts, we can create fractions and decimals. What part of the pizza has been eaten? What portion of the picture is shaded? Initially, students' experiences with fractions and decimals center around exploring part of a whole. The ability to work with fractions and decimals will expand the range of problems that students can solve.

The Essentials of Fractions and Decimals

1. Understanding Fractions

2. Understanding Decimals

3. Ordering Fractions and Decimals

NEXT >

printer-friendly version of all tools for this topic

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3004

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FIGURE 31
Diagram of Potential Hyperlinks in a Display Website

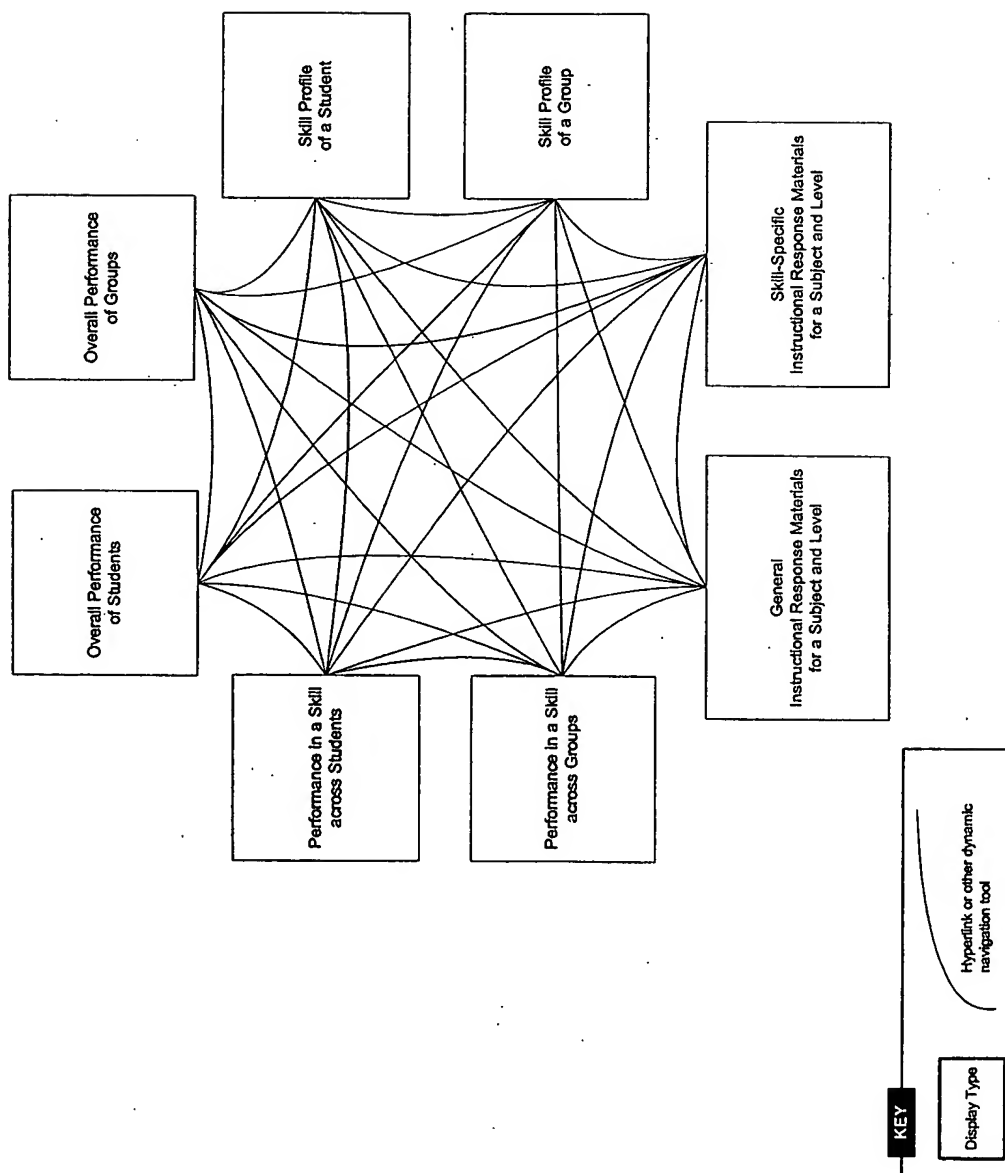


FIGURE 32
Diagram of a Potential Electronic Display of "Performance in a Skill across Groups"

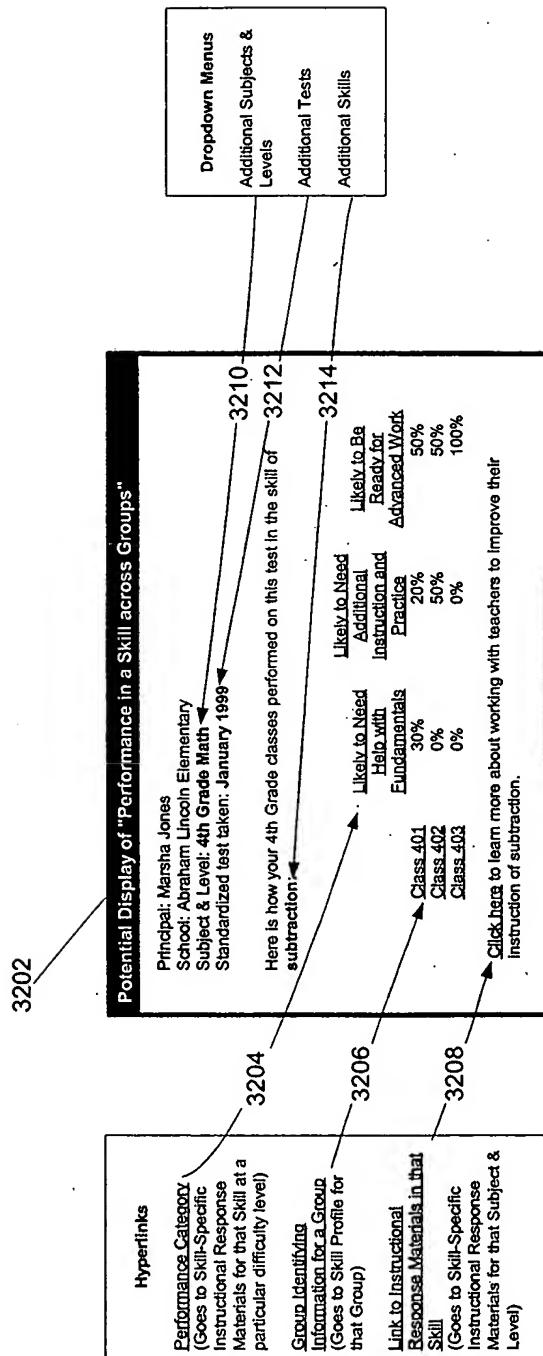


FIGURE 33
Flowchart of a Display Website with an Ongoing Assessment Component

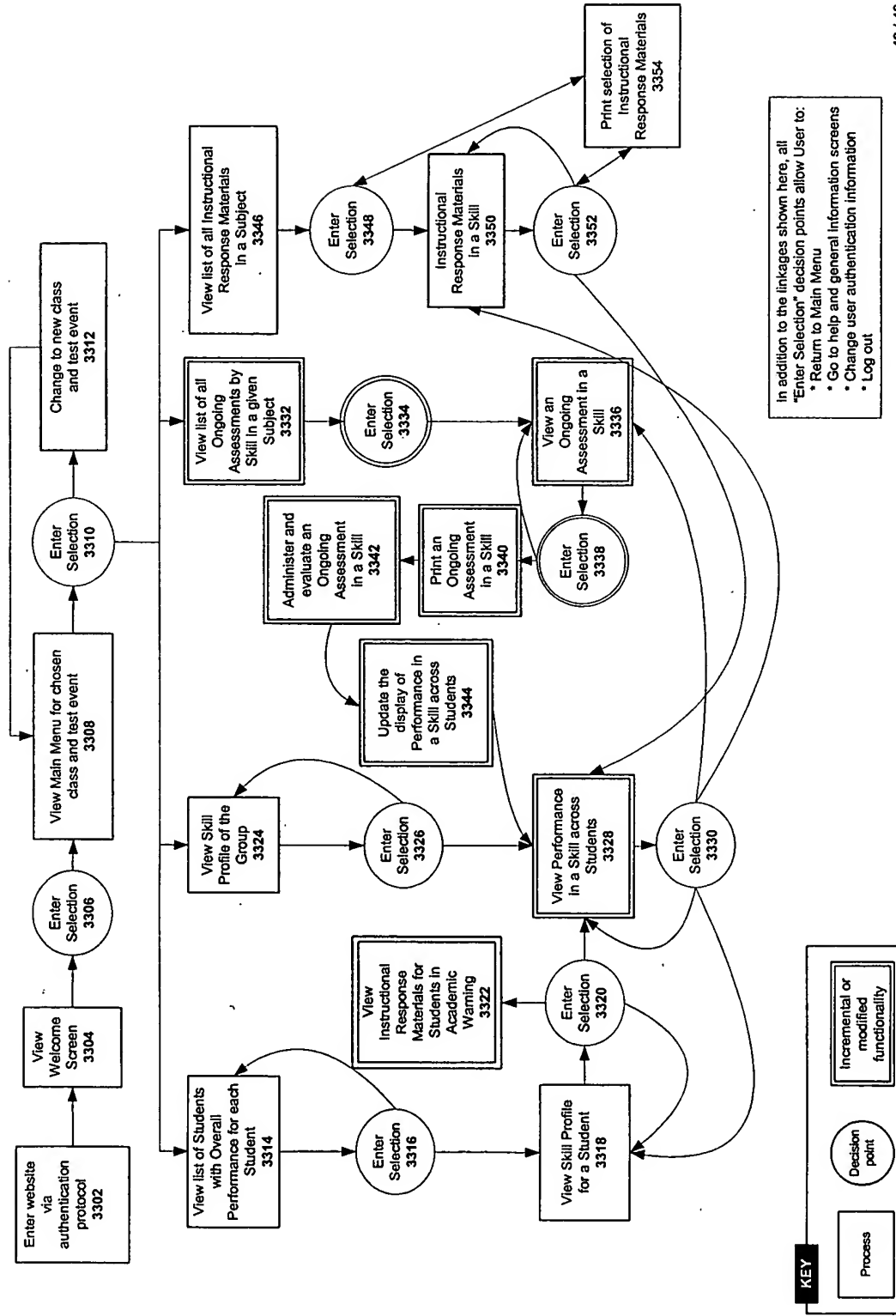
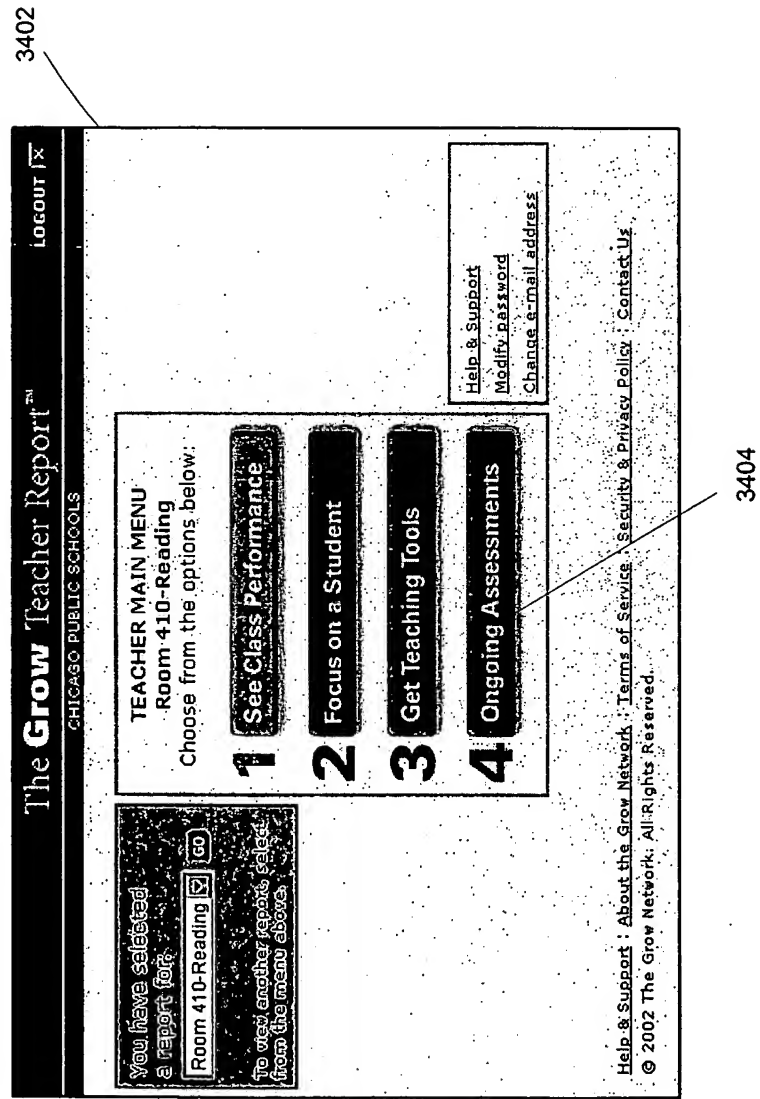


FIGURE 34
Diagram of a "Welcome" Display for a Website with an Ongoing Assessment Component



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Ongoing Assessments: Reading

Update Flexible Groupings

Contents

- Author's Purpose
- Cause and Effect
- Character
- Fact and Opinion
- Genre and Literary Terms
- Main Idea and Theme
- Predicting Outcomes
- Sequence
- Setting
- Words and Phrases in Context

What are Ongoing Assessments?

The Grow Network's Ongoing Assessments in Reading are a good way to "take the pulse" of your class in important topic areas. You can give an Ongoing Assessment at the start of a unit, at the end of a unit, or whenever you want to find out quickly "where your class stands" in any given area.

When you finish grading an Ongoing Assessment for any given student in your class, you can update the student's Flexible Grouping information in your Grow Report Online.

Format of Ongoing Assessments

Ongoing Assessments include sample questions, an answer sheet, and a teacher reference guide with scoring suggestions.

Each Ongoing Assessment in Reading is made up of two multiple choice and two short answer questions. These questions are chosen to test your students' ability to comprehend key details from a brief reading passage.

Ongoing Assessments are designed to be easy to grade. Scoring on the multiple choice questions is always 1 point for a correct answer and 0 points for an incorrect answer. Scoring on the short answer questions is 2 points for a correct response, 1 point for a partially correct response, and 0 points for an incorrect response.

Here is a suggested way to update the Flexible Groupings in your Grow Report Online, based on how your students perform on the Ongoing Assessment:

- 0-1 points Fundamentals column
- 2-4 points Practice column
- 5-6 points Advanced Work column

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FIGURE 35
Diagram of an "Introduction to Ongoing Assessments" Display for a Website
with an Ongoing Assessment Component

3504

3502

FIGURE 36

Diagram of a "Performance in a Skill across Students" Display for a Website with an Ongoing Assessment Component

MAIN MENU
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CHICAGO PUBLIC SCHOOLS
-Choose another topic-
GO

Flexible Grouping for Character
Room 410 - Reading

See Teaching Tools for Character
Ongoing Assessments in this topic
Update Flexible Groupings in this topic
Flexible Groupings for ISAT 2002

Likely to Need Help with Fundamentals	Likely to Require Additional Instruction and Practice	Likely to Be Ready for Advanced Work
Allen, John	Allsopp, Victoria	Cavanaugh, Kate
Barda, Willy	Bohamps, Martin	Collier, Edward
Cass, Arla	Chester, Jane	Munoz, Maria
Cass, Mary	Crowe, Amir	Reid, Jesse
Davis, Latoyah	Gottlieb, Matt	Taveras, Rosa
Gupta, Anita	Marshall, Gary	
Latham, Hal	Martinez, Tom	
Miller, James	Moleson, Rachel	
Navarez, Esteban	Moss, Michael	
Nunez, Sunny	Ormond, Nancy	
Roebuck, Lila	Reese, Nelson	
Rosado, Juan	Roberts, Mike	
Sanchez, Jose		
Sandies, Dan		
Thoreau, James		

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3604

3606

3602

FIGURE 37
 Diagram of an "Update Student Skill Assignments" Display for a Website
 with an Ongoing Assessment Component

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Update Flexible Groupings

In order to move a student to a new category, click the circle under the appropriate column for each student. Then click "Submit" at the bottom of the page. To start over with the previous values, click "Reset."

☐ = Original position
F = Help With Fundamentals
P = Additional Instruction and Practice
A = Advanced Work

Source of Information: Ongoing Assessments
[printer-friendly version of score sheet](#)

	F	P	A
Allen, John	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Alisopp, Victoria	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Barda, Willy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bochamps, Martin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cass, Arla	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cass, Mary	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cavanaugh, Kate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chester, Jane	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Collier, Edward	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Crowe, Amir	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Davis, Latoyah	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gottlieb, Matt	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gupta, Anita	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Latham, Hal	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Marshall, Gary	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Martinez, Tom	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Miller, James	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Moleson, Rachel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Moss, Michael	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Munoz, Maria	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Navarez, Esteban	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nunez, Sunny	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ormond, Nancy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Reese, Nelson	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Moleson, Rachel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Moss, Michael	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Munoz, Maria	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Navarez, Esteban	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nunez, Sunny	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ormond, Nancy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Reese, Nelson	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Reid, Jesse	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Roberts, Mike	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Roebuck, Lila	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rosado, Juan	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sanchez, Jose	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sandies, Dan	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Taveras, Rosa	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Thoreau, James	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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3702

3704

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

FIGURE 38
Diagram of an "Ongoing Assessment" Display for a Website
with an Ongoing Assessment Component

[Press the back button on your browser to return to where you were.]

Chicago Public Schools - Grade 4 Reading

Character

The Grow Network - Ongoing Assessment

Read the following passage. Then answer the questions below.

Michelle wanted to be the best shot on her basketball team. Every morning she went to school early and spent an hour practicing in the gym by herself. In the evening, she would practice all alone at the playground near her house. She loved the *swish* sound of a perfect shot, and she was improving every day. But she still wasn't as good as her best friend Lisa, the team's star forward. Sometimes Lisa teased her for trying so hard, but Michelle would just smile and keep practicing.

- Which word best describes Michelle?
 - jealous
 - dedicated
 - lonely
 - frustrated
- At the end of the passage, why does Michelle smile?
 - Lisa has just told Michelle a joke.
 - Michelle likes being alone.
 - Michelle is about to make a successful shot.
 - Michelle is confident that she's doing the right thing.
- Michelle and Lisa are both characters in this passage. List three (3) things the passage tells us about Lisa.
- In your own words, describe what problem Michelle faces. What does she do to overcome it?

SCORING GUIDE

- The correct answer is (b), dedicated.

0 Points = incorrect or no answer
 1 Point = correct answer
- The correct answer is (d), Michelle is confident that she's doing the right thing.

0 Points = incorrect or no answer
 1 Point = correct answer
- For sample responses, see Teacher Reference Guide below.

0 Points = all incorrect or no answer
 1 Point = one or two things about Lisa
 2 Points = three things about Lisa
- For sample responses, see Teacher Reference Guide below

0 Points = no answer or both parts of question incorrect
 1 Point = one part of question correct
 2 Points = both parts of question correct

TOTAL SCORE

Here is a suggested way to update the Flexible Groupings in your Grow Report Online, based on a student's total score on the Ongoing Assessment:

0-1 points Fundamentals column
 2-4 points Practice column
 5-6 points Advanced Work column

3804

3802

3806

3808

FIGURE 39

Diagram of a "Focus on a Student" Display for a Website with an Ongoing Assessment Component

